Before The
POSTAL RATE COMMISSION
WASHINGTON, D.C. 20268-0001

Postal Rate and Fee Changes, 2000

Docket No. R2000-1

RESPONSE OF THE UNITED STATES POSTAL SERVICE WITNESS RAYMOND TO ADVO INTERROGATORIES (ADVO/USPS-T13-60-68, 70-73)

The United States Postal Service hereby provides the response of witness

Raymond to the following interrogatories of Advo, Inc.: ADVO/USPS-T13-60-68, 70-73,

filed on March 16, 2000. Mr. Raymond is still in the process of preparing answers to

prior sets of interrogatories encompassing ADVO/USPS-T13-24-59, as well as number

69.

Each interrogatory is stated verbatim and is followed by the response.

Respectfully submitted,

UNITED STATES POSTAL SERVICE

By its attorneys:

Daniel J. Foucheaux, Jr.
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April 27, 2000

ADVO/USPS-T13-60. In your response to ADVO/USPS-T13-8, you provided "a copy of the email sent to the regions by the USPS" that requested the regions to select cities and delivery units that would be included in your data collection survey. The e-mail message instructs the regions that the delivery units to be chosen "should have a high DPS volume." With respect to this instruction:

> (a) Were you involved in any way in the decision to focus the survey on delivery units that have a "high DPS volume?" If so, please describe your Involvement.

> (b) Provide copies of all documents (memoranda, analyses, e-mail communications, correspondence, etc.), that discuss or explain the reasons for the determination to focus the survey on "high DPS volume" delivery units.

> (c) Did you or anyone else involved with the design of this survey consider whether a focus on "high DPS volume" delivery units might bias the survey results, or otherwise produce results that are not representative of "low volume" or "average volume DPS" delivery units or the system of delivery units and carrier routes?

> (d) Please provide copies of all documents that were considered or relied upon in making the determination to focus on "high DPS volume" units that discuss, analyze, or relate to the potential for bias due to that determination.

If you do not have the requested documents and information or are unable to respond to any part of the above, please re-direct this request to the appropriate Postal Service witness. If documents covered by this request never existed, please so state. If documents covered by this request existed at one time but are no longer available, please so state, and explain why they are no longer available.

RESPONSE:

(a) I was involved in discussions regarding the selection of sites. The "High DPS sites"

was a statement that the COR put in his opening statement. Because of the

selection of random sites this statement became a moot point.

(b) The e-mail was the only place the "high DPS volume" is mentioned.

(c) All levels of DPS volume are represented in the study. We were aware that a focus on "high DPS" volume might bias the study. Because of this potential bias the study did not focus on sites with a "high DPS" volume.

(d) No documentation exists because the study expanded beyond the sites supplied by the USPS districts.

ADVO/USPS-T13-61. Please provide the information requested below with respect to the routes that were observed during your study. If information is not available in precisely the format or detail requested, please provide the best available information most closely corresponding to the information requested, and explain the source of the information (e.g., if volume information is not available for the specific day a route was observed, please provide average daily volumes for that route).

(a) For each of the observed routes in delivery units that were selected by the regions, please provide the following information:

   (1) The total volume of DPS mail on the day the route was observed, and the average volume of DPS mail per stop and delivery.

   (2) The total volume of non-DPS mail on the day the route was observed, and the average volume of non-DPS mail per stop and delivery.

   (3) The total volume of all mail on the day the route was observed, and the average volume of mail per stop and delivery.

(b) For all routes in delivery units that were selected by the regions, please provide the information requested in (a)(l)-(3) above on an aggregated average basis (e.g., the average DPS volume per route for all observed routes in units selected by the regions).

(c) For each of the observed routes in delivery units that were not selected by the regions, please provide the information requested in (a)(1)-(3) above.

(d) For all routes in delivery units that were not selected by the regions, please provide the information requested in (a)(1)-(3) above on an aggregated average basis (e.g., the average DPS volume per route for all observed routes in units not selected by the regions).

RESPONSE:

(a)-(d):

Please note the information requested in these questions does not relate to the work sampling tallies provided to witness Baron.

After an extensive two-day manual verification of the data, I am able to provide the following attachments, which contain all of the data which can be extracted from the database pertinent to your requests. Note that a small number of route-days did not have volume data recorded.

Date	Route	UnitCode	Delivery Points	Letters	Flats	ADVO/USPS-T13-61 (a1) DPS	Accountable	DAL	Parcels	SPRs	ADVO/USPS-T13-61 (a1) Ave DPS/Del	ADVO/USPS-T13-61 (a2) Non-DPS Total	ADVO/USPS-T13-61 (a2) Ave non-DPS/Del	ADVO/USPS T13-61 (a3) Total	ADVO/USPS T13-61 (a3) Ave Total/Del
10/15/96	1595	CY02	494	452	455	0	1	0	0	0	0.00	908	1.84	908	1.84
10/15/96	1638	CY08	257	417	300	0	0	0	6	0	0.00	723	2.81	723	2.81
10/15/96	4712	CY11	648	219	1220	0	2	0	12	0	0.00	1453	2.24	1453	2.24
10/15/96	8035	CY07	445	869	1534	0	5	0	16	0	0.00	2424	5.45	2424	5.45
10/16/96	1595	CY02	494	665	726	0	3	0	1	0	0.00	1395	2.82	1395	2.82
10/16/96	1632	CY08	640	302	399	0	0	0	38	0	0.00	739	1.15	739	1.15
10/16/96	4811	CY11	370	1006	670	0	9	0	18	0	0.00	1703	4.60	1703	4.60
10/16/96	8045	CY07	439	765	1707	241	1	0	5	0	0.55	2478	5.64	2719	6.19
10/17/96	1569	CY02	215	91	475	0	0	0	14	0	0.00	580	2.70	580	2.70
10/17/96	1620	CY08	435	565	554	1022	0	0	0	0	2.35	1119	2.57	2141	4.92
10/17/96	4732	CY11	651	418	816	0	0	0	0	0	0.00	1234	1.90	1234	1.90
10/17/96	8028	CY07	547	489	3050	0	0	0	6	0	0.00	3545	6.48	3545	6.48
10/18/96	8061	CY07	0	1192	1532	0	0	0	14	0	Not Available	2738	Not Available	2738	Not Available
10/21/96	2835	CY05	1124	283	590	0	2	10	0	0	0.00	885	0.79	885	0.79
10/21/96	4126	CY03	351	570	1152	0	1	0	17	0	0.00	1740	4.96	1740	4.96
10/21/96	4811	CY11	372	365	330	0	0	0	0	0	0.00	695	1.87	695	1.87
10/22/96	2160	CY10	506	800	0	0	0	0	18	0	0.00	818	1.62	818	1.62
10/22/96	2822	CY05	374	630	598	0	1	0	1	0	0.00	1230	3.29	1230	3.29
10/22/96	4114	CY03	405	836	319	0	2	0	0	0	0.00	1157	2.86	1157	2.86
10/22/96	4731	CY11	556	836	1338	0	0	555	2	0	0.00	2731	4.91	2731	4.91
10/23/96	2167	CY10	406	1257	1302	758	1	0	3	0	1.87	2563	6.31	3321	8.18
10/23/96	2806	CY05	458	533	570	866	3	0	0	0	1.89	1106	2.41	1972	4.31
10/23/96	4106	CY03	399	153	422	0	0	0	5	0	0.00	580	1.45	580	1.45
10/23/96	4910	CY11	569	648	1165	0	10	0	0	0	0.00	1823	3.20	1823	3.20
10/24/96	2169	CY10	725	1088	1336	0	0	0	33	0	0.00	2457	3.39	2457	3.39
10/24/96	2814	CY05	467	717	151	0	0	0	7	0	0.00	875	1.87	875	1.87
10/24/96	4104	CY03	531	323	1161	0	0	0	17	0	0.00	1501	2.83	1501	2.83
10/24/96	4725	CY11	730	547	1861	0	0	0	0	0	0.00	2408	3.30	2408	3.30
10/25/96	2155	CY10	307	1118	453	3066	5	0	39	0	9.99	1615	5.26	4681	15.25
10/25/96	4708	CY11	623	409	1180	0	4	0	0	0	0.00	1593	2.56	1593	2.56
10/26/96	4817	CY11	387	892	1144	0	3	0	0	0	0.00	2039	5.27	2039	5.27
10/28/96	2469	CY09	355	665	414	4088	3	0	0	0	11.52	1082	3.05	5170	14.56
10/28/96	4219	CY04	288	20	223	0	0	0	0	0	0.00	243	0.84	243	0.84
10/28/96	4921	CY11	647	613	737	0	0	0	0	0	0.00	1350	2.09	1350	2.09
10/28/96	9302	CY06	371	654	755	1637	0	0	11	0	4.41	1420	3.83	3057	8.24
10/29/96	2451	CY09	873	1021	467	3577	0	0	2	0	4.10	1490	1.71	5067	5.80
10/29/96	4227	CY04	276	148	931	0	1	0	0	0	0.00	1080	3.91	1080	3.91
10/29/96	4814	CY11	523	552	531	0	7	0	0	0	0.00	1090	2.08	1090	2.08
10/29/96	9302	CY06	371	795	1045	1687	3	0	23	0	4.55	1866	5.03	3553	9.58
10/30/96	2465	CY09	891	406	849	454	0	0	0	0	0.51	1255	1.41	1709	1.92
10/30/96	4242	CY04	326	58	501	0	0	0	0	0	0.00	559	1.71	559	1.71
10/30/96	4719	CY11	486	698	1125	0	4	0	0	0	0.00	1827	3.76	1827	3.76
10/31/96	4223	CY04	389	151	207	0	0	0	25	0	0.00	383	0.98	383	0.98
10/31/96	4732	CY11	644	587	291	0	0	0	0	0	0.00	878	1.36	878	1.36
11/01/96	4726	CY11	618	773	394	0	2	0	0	0	0.00	1169	1.89	1169	1.89

11/04/96	5414	CY22	866	0	0	0	0	0	0	0	0.00	0	0.00	0	0.00
11/05/96	1928	CY17	284	781	1287	736	2	0	32	0	2.59	2102	7.40	2838	9.99
11/05/96	3704	CY14	244	0	101	490	0	0	0	0	2.01	101	0.41	591	2.42
11/05/96	5420	CY22	385	167	805	704	0	0	31	0	1.83	1003	2.61	1707	4.43
11/06/96	1908	CY17	295	287	462	774	2	0	23	0	2.62	774	2.62	1548	5.25
11/06/96	3703	CY14	618	363	513	0	0	0	43	0	0.00	919	1.49	919	1.49
11/06/96	5416	CY22	616	1051	1000	1159	1	300	17	0	1.88	2369	3.85	3528	5.73
11/07/96	1926	CY17	330	372	399	793	3	0	7	9	2.40	790	2.39	1583	4.80
11/07/96	3705	CY14	623	299	251	0	0	0	0	0	0.00	550	0.88	550	0.88
11/07/96	5433	CY22	549	1638	658	1185	0	0	42	0	2.16	2338	4.26	3523	6.42
11/08/96	1558	CY02	552	465	266	0	2	0	15	0	0.00	748	1.36	748	1.36
11/08/96	1906	CY17	0	382	808	0	0	0	23	0	Not Available	1213	Not Available	1213	Not Available
11/09/96	1560	CY02	221								0.00	0	0.00	0	0.00
11/09/96	1970	CY17	0	668	658	915	0	0	14	0	Not Available	1340	Not Available	2255	Not Available
11/09/96	5546	CY20	466	807	115	0	0	0	26	0	0.00	948	2.03	948	2.03
11/12/96	2947	CY18	506	848	1299	1869	0	0	0	0	3.69	2147	4.24	4016	7.94
11/12/96	3705	CY14	624	801	519	1533	0	0	0	0	2.46	1320	2.12	2853	4.57
11/13/96	1233	CY16	699	675	849	0	0	0	0	0	0.00	1524	2.18	1524	2.18
11/13/96	2912	CY18	476	608	566	671	0	0	17	0	1.41	1191	2.50	1862	3.91
11/13/96	5566	CY20	456	428	765	0	0	0	11	0	0.00	1204	2.64	1204	2.64
11/14/96	1237	CY16	621	569	783	0	0	0	0	0	0.00	1352	2.18	1352	2.18
11/14/96	2934	CY18	521	516	434	993	4	0	0	0	1.91	954	1.83	1947	3.74
11/14/96	5553	CY20	561	762	711	0	0	0	33	0	0.00	1506	2.68	1506	2.68
11/15/96	4111	CY03	529	746	1240	0	0	0	17	0	0.00	2003	3.79	2003	3.79
11/15/96	4876	CY19	0	291	1777	1412	0	0	22	0	Not Available	2090	Not Available	3502	Not Available
11/15/96	6229	CY21	446	428	898	0	3	0	11	0	0.00	1340	3.00	1340	3.00
11/16/96	4214	CY04	190	845	549	0	0	0	0	0	0.00	1394	7.34	1394	7.34
11/16/96	4846	CY19	361	420	279	0	0	0	0	0	0.00	699	1.94	699	1.94
11/18/96	1252	CY16	557	464	458	0	1	0	2	0	0.00	925	1.66	925	1.66
11/18/96	4846	CY19	361	895	524	1602	1	0	21	0	4.44	1441	3.99	3043	8.43
11/18/96	6248	CY21	601	480	332	0	0	0	38	0	0.00	850	1.41	850	1.41
11/19/96	1061	CY15	619	447	514	0	1	0	0	0	0.00	962	1.55	962	1.55
11/19/96	4880	CY19	374	515	354	457	2	0	11	0	1.22	882	2.36	1339	3.58
11/19/96	6288	CY21	516	1483	519	243	7	0	36	0	0.47	2045	3.96	2288	4.43
11/20/96	1024	CY15	663	586	0	908	10	0	0	0	1.37	596	0.90	1504	2.27
11/20/96	6234	CY21	383	627	384	257	2	0	18	0	0.67	1031	2.69	1288	3.36
01/06/97	0211	CY23	360	495	839	543	0	0	13	0	1.51	1347	3.74	1890	5.25
01/06/97	0818	CY26	915	166	503	0	0	0	0	0	0.00	669	0.73	669	0.73
01/06/97	3549	CY29	351	277	705	1182	3	365	6	0	3.37	1356	3.86	2538	7.23
01/07/97	0218	CY23	451	507	526	516	0	0	10	0	1.14	1043	2.31	1559	3.46
01/07/97	0828	CY26	670	179	301	0	0	0	0	0	0.00	480	0.72	480	0.72
01/07/97	4506	CY29	459	210	1348	1332	0	0	0	0	2.90	1558	3.39	2890	6.30
01/08/97	0222	CY23	382	356	772	484	0	0	14	0	1.27	1142	2.99	1626	4.26
01/08/97	0849	CY26	465	573	611	0	0	0	0	0	0.00	1184	2.55	1184	2.55
01/08/97	3656	CY29	571	1323	336	1615	3	0	7	0	2.83	1669	2.92	3284	5.75
01/09/97	0433	CY23	470	1152	832	869	0	0	19	0	1.85	2003	4.26	2872	6.11
01/09/97	1428	CY27	427	753	407	0	0	0	5	0	0.00	1165	2.73	1165	2.73
01/09/97	3618	CY29	432	1113	696	1446	1	0	4	0	3.35	1814	4.20	3260	7.55
01/10/97	0414	CY23	408	718	309	0	1	0	21	0	0.00	1049	2.57	1049	2.57

Attachment to Response to ADVO-USPS-T13_61 (a-b)

01/10/97	1430	CY27	242	559	306	0	0	0	0	0	0.00	865	3.57	865	3.57
01/10/97	3655	CY30	423	312	880	1735	3	0	10	0	4.10	1205	2.85	2940	6.95
01/11/97	0401	CY23	414	587	385	1243	0	0	13	0	3.00	985	2.38	2228	5.38
01/11/97	1435	CY27	322	231	624	0	0	0	0	0	0.00	855	2.66	855	2.66
01/11/97	4310	CY29	460	152	242	1037	0	0	2	0	2.25	396	0.86	1433	3.12
01/13/97	0603	CY23	303	283	376	665	0	0	0	0	2.19	659	2.17	1324	4.37
01/13/97	2374	CY28	664	1547	2110	925	3	0	0	0	1.39	3660	5.51	4585	6.91
01/13/97	4515	CY29	460	525	606	1237	0	0	1	0	2.69	1132	2.46	2369	5.15
01/14/97	0623	CY23	279	753	1044	0	0	0	8	0	0.00	1805	6.47	1805	6.47
01/14/97	2385	CY28	608	438	905	0	3	287	5	0	0.00	1638	2.69	1638	2.69
01/15/97	0607	CY23	218	353	344	421	0	0	17	0	1.93	714	3.28	1135	5.21
01/15/97	2375	CY28	415	469	519	0	3	0	2	0	0.00	993	2.39	993	2.39
01/15/97	4442	CY30	572	623	646	1177	0	0	10	0	2.06	1279	2.24	2456	4.29
02/04/97	2947	CY18	642	278	1262	880	8	0	0	0	1.37	1548	2.41	2428	3.78
02/04/97	3705	CY14	696	266	677	857	1	641	28	9	1.23	1622	2.33	2479	3.56
02/04/97	5553	CY20	561	657	761	1474	1	0	25	0	2.63	1444	2.57	2918	5.20
02/05/97	2912	CY18	476	378	725	1058	0	0	14	0	2.22	1117	2.35	2175	4.57
02/05/97	3707	CY14	642	756	760	1069	1	0	29	12	1.67	1558	2.43	2627	4.09
02/05/97	5546	CY20	466	652	861	1150	4	0	2	0	2.47	1519	3.26	2669	5.73
02/06/97	2934	CY18	521	544	572	898	7	0	0	0	1.72	1123	2.16	2021	3.88
02/06/97	3706	CY14	613	390	740	813	6	0	20	0	1.33	1156	1.89	1969	3.21
02/06/97	5566	CY20	446	744	997	1147	1	0	17	0	2.57	1759	3.94	2906	6.52
02/11/97	0163	CY43	242	683	1366	0	0	0	0	0	0.00	2049	8.47	2049	8.47
02/11/97	0610	CY41	193	472	1782	0	4	0	0	0	0.00	2258	11.70	2258	11.70
02/11/97	5405	CY45	853	633	2925	0	3	0	27	0	0.00	3588	4.21	3588	4.21
02/12/97	0429	CY42	52	5625	17952	0	0	0	0	0	0.00	23577	453.40	23577	453.40
02/12/97	0628	CY41	246	1581	552	0	2	0	0	0	0.00	2135	8.68	2135	8.68
02/12/97	3127	CY44	147	272	917	0	2	0	5	0	0.00	1196	8.14	1196	8.14
02/13/97	0626	CY41	39	712	1376	0	9	0	0	0	0.00	2097	53.77	2097	53.77
02/13/97	1946	CY42	1182	0	997	0	3	0	0	0	0.00	1000	0.85	1000	0.85
02/13/97	3133	CY44	303	577	1276	0	18	0	15	0	0.00	1886	6.22	1886	6.22
05/05/97	0101	CY49	785	441	736	1088	1		22	8	1.39	1208	1.54	2296	2.92
05/05/97	0164	CY48	668	176	1070	1443	19	480	14	16	2.16	1775	2.66	3218	4.82
05/05/97	1133	CY46	602	493	837	1429	3	0	13	25	2.37	1371	2.28	2800	4.65
05/05/97	1411	CY47	0	156	125	1293	3	0	14	0	Not Available	298	Not Available	1591	Not Available
05/05/97	1579	CY02	581	296	401	1176	0	0	22	0	2.02	719	1.24	1895	3.26
05/05/97	8717	CY50	577	750	1139	1781	1	0	37	29	3.09	1956	3.39	3737	6.48
05/06/97	0101	CY49	785	487	687	283	3	224	6	22	0.36	1429	1.82	1712	2.18
05/06/97	0164	CY48	668	718	1016	650	5	5	5	16	0.97	1765	2.64	2415	3.62
05/06/97	1133	CY46	602	769	568	675	3	602	4	27	1.12	1973	3.28	2648	4.40
05/06/97	1411	CY47	447	699	530	1369	1	442	5	22	3.06	1699	3.80	3068	6.86
05/06/97	1579	CY02	581	280	597	639	2	513	12	0	1.10	1404	2.42	2043	3.52
05/06/97	8717	CY50	577	715	298	776	1	567	8	27	1.34	1616	2.80	2392	4.15
05/07/97	0101	CY49	785	218	1037	965	2	162	5	7	1.23	1431	1.82	2396	3.05
05/07/97	0164	CY48	668	351	1139	682	11		18	10	1.02	1529	2.29	2211	3.31
05/07/97	1133	CY46	602	483	564	754	6		9	19	1.25	1081	1.80	1835	3.05
05/07/97	1411	CY47	447	785	531	1478	1	220	2	22	3.31	1561	3.49	3039	6.80
05/07/97	1579	CY02	581	194	491	1368	7	513	5		2.35	1210	2.08	2578	4.44
05/07/97	8717	CY50	577	378	827	609	2	0	13	24	1.06	1244	2.16	1853	3.21

Date															
05/08/97	0105	CY48	329	512	758	118	18		14		0.36	1302	3.96	1420	4.32
05/08/97	0711	CY49	326	472	536	518	0	-0	7	11	1.59	1026	3.15	1544	4.74
05/08/97	1133	CY46	602	380	847	954	1	604	7	23	1.58	1862	3.09	2816	4.68
05/08/97	1411	CY47	447	98	244	1162	1		13	14	2.60	370	0.83	1532	3.43
05/08/97	8717	CY50	577	380	379	1323	5		4	16	2.29	784	1.36	2107	3.65
05/09/97	0105	CY48	329	505	1612	114	38		8		0.35	2163	6.57	2277	6.92
05/09/97	0711	CY49	326	356	621	708	0	0	9	16	2.17	1002	3.07	1710	5.25
05/09/97	1133	CY46	602	391	882	1121	2		13	16	1.86	1304	2.17	2425	4.03
05/09/97	1411	CY47	447	250	911	1410	9		10	7	3.15	1187	2.66	2597	5.81
05/09/97	1579	CY02	581	180	882	1175	3		4	6	2.02	1075	1.85	2250	3.87
05/09/97	8717	CY50	577	417	1162	1502			9	29	2.60	1617	2.80	3119	5.41
05/10/97	0105	CY48	329	393	1831	121	5		18		0.37	2247	6.83	2368	7.20
05/10/97	0711	CY49	326	286	510	472	3	0	3	16	1.45	818	2.51	1290	3.96
05/10/97	1133	CY46	602	278	1286	1271			9	12	2.11	1585	2.63	2856	4.74
05/10/97	1411	CY47	447	600	673	1480	3		13	14	3.31	1303	2.91	2783	6.23
05/10/97	1579	CY02	581	217	392	999	10		13	8	1.72	640	1.10	1639	2.82
05/10/97	8717	CY50	577	278	1099	1096	3		10	27	1.90	1417	2.46	2513	4.36
05/12/97	0146	CY48	393	402	531	878	2		8	29	2.23	972	2.47	1850	4.71
05/12/97	0716	CY49	652	665	653	1105	1	0	10	39	1.69	1368	2.10	2473	3.79
05/12/97	1133	CY46	602	487	1426	1283	2		4		2.13	1919	3.19	3202	5.32
05/12/97	1411	CY47	447	512	275	1566	0	0	0	0	3.50	787	1.76	2353	5.26
05/12/97	1579	CY02	581	411	564	1167	3		25		2.01	1003	1.73	2170	3.73
05/12/97	8717	CY50	577	480	446	1412	2		29	25	2.45	982	1.70	2394	4.15
05/13/97	0146	CY48	393	185	513	1955		375	12	8	4.97	1093	2.78	3048	7.76
05/13/97	0716	CY49	652	359	565	370	1	0	3	39	0.57	967	1.48	1337	2.05
05/13/97	1133	CY46	602	616	719	780	3	602	6	27	1.30	1973	3.28	2753	4.57
05/13/97	1411	CY47	447	358	496	1566	6	445	6		3.50	1311	2.93	2877	6.44
05/13/97	1579	CY02	581	290	596	920	4	513	8		1.58	1411	2.43	2331	4.01
05/13/97	8717	CY50	577	925	1011	1053	2	567	12	12	1.82	2529	4.38	3582	6.21
05/14/97	0146	CY48	393	249	293	515	0	0	10	9	1.31	561	1.43	1076	2.74
05/14/97	0716	CY49	652	359	660	1204	1	0	4	22	1.85	1046	1.60	2250	3.45
05/14/97	1133	CY46	602	425	628	1360	4	0	4	27	2.26	1088	1.81	2448	4.07
05/14/97	1411	CY47	447	1474	656	1281	0	0	0	27	2.87	2157	4.83	3438	7.69
05/14/97	1579	CY02	581	257	893	811	2		18		1.40	1170	2.01	1981	3.41
05/14/97	8717	CY50	577	391	1098	1009	5		11	13	1.75	1518	2.63	2527	4.38
05/15/97	0102	CY49	516	368	583	658	14	0	4	17	1.28	986	1.91	1644	3.19
05/15/97	0337	CY48	389	260	515	1320	2		16	17	3.39	810	2.08	2130	5.48
05/15/97	1133	CY46	602	469	822	1188	1		9	26	1.97	1327	2.20	2515	4.18
05/15/97	1411	CY47	447	704	734	1558					3.49	1438	3.22	2996	6.70
05/15/97	1579	CY02	581	270	522	956	6	113	16	4	1.65	931	1.60	1887	3.25
05/15/97	8717	CY50	577	171	780	1403	1		11	31	2.43	994	1.72	2397	4.15
05/16/97	0102	CY49	516	135	721	644	16	0	2	10	1.25	884	1.71	1528	2.96
05/16/97	0337	CY48	389	248	406	881	1		14	8	2.26	677	1.74	1558	4.01
05/16/97	1133	CY46	602	622	551	1107	3		3	33	1.84	1212	2.01	2319	3.85
05/16/97	1411	CY47	447	513	825	1662	5		13	6	3.72	1362	3.05	3024	6.77
05/16/97	1579	CY02	581	394	337	748			12	9	1.29	752	1.29	1500	2.58
05/16/97	8717	CY50	577	468	600	1683	5		11	27	2.92	1111	1.93	2794	4.84
05/17/97	0102	CY49	516	192	855	544	0	0	1	8	1.05	1056	2.05	1600	3.10
05/17/97	0337	CY48	389	133	394	992	4		11	13	2.55	555	1.43	1547	3.98

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05/17/97	1133	CY46	602	388	540		2		10	16	0.00	956	1.59	956	1.59
05/17/97	1411	CY47	447	796	672	1738	4		9	5	3.89	1486	3.32	3224	7.21
05/17/97	1579	CY02	581	294	405	1009			14	9	1.74	722	1.24	1731	2.98
05/17/97	8717	CY50	577	523	504	1496	3		10	24	2.59	1064	1.84	2560	4.44
05/19/97	1133	CY46	602	382	557	1391	2	0	12	27	2.31	980	1.63	2371	3.94
05/19/97	1411	CY47	447	626	590	1688	5				3.78	1221	2.73	2909	6.51
05/19/97	1579	CY02	581	481	549	1057	2	503	16		1.82	1551	2.67	2608	4.49
05/19/97	6156	CY51	450	286	441	0	0	0	4	25	0.00	756	1.68	756	1.68
05/20/97	1133	CY46	602	521	308	759	0	602	6	12	1.26	1449	2.41	2208	3.67
05/20/97	1579	CY02	581	582	457	805	2	503	18		1.39	1562	2.69	2367	4.07
05/20/97	6156	CY51	450	280	257	803	6	470	0	0	1.78	1013	2.25	1816	4.04
05/21/97	1133	CY46	602	521	891	1133	4		4	32	1.88	1452	2.41	2585	4.29
05/21/97	1411	CY47	447	441	427	1103	11		6	11	2.47	896	2.00	1999	4.47
05/21/97	1579	CY02	581	415	454	930	2		4		1.60	875	1.51	1805	3.11
05/21/97	6156	CY51	450	395	442	997	5		4	29	2.22	875	1.94	1872	4.16
05/22/97	1133	CY46	602	466	863	1154	2		3	32	1.92	1366	2.27	2520	4.19
05/22/97	1411	CY47	447	314	502	1283	3		6	7	2.87	832	1.86	2115	4.73
05/22/97	1579	CY02	581	185	361	1074	11		8	1	1.85	566	0.97	1640	2.82
05/22/97	6157	CY51	458	70	367	1573	12		10	7	3.43	466	1.02	2039	4.45
05/22/97	8717	CY50	577	600	614	1448	6		6	14	2.51	1240	2.15	2688	4.66
05/23/97	1133	CY46	602	364	706	1056	1		5	30	1.75	1106	1.84	2162	3.59
05/23/97	1411	CY47	447	619	493	1870	7		9	8	4.18	1136	2.54	3006	6.72
05/23/97	1579	CY02	581	319	310	762	2		4	11	1.31	646	1.11	1408	2.42
05/23/97	6157	CY51	458	207	300	1376	4		5	2	3.00	518	1.13	1894	4.14
05/23/97	8717	CY50	577	384	406	1276	3		9	27	2.21	829	1.44	2105	3.65
05/24/97	1133	CY46	602	117	898	1026	3		9	26	1.70	1053	1.75	2079	3.45
05/24/97	1411	CY47	447	799	709	1186	5		3	15	2.65	1531	3.43	2717	6.08
05/24/97	1579	CY02	581	418	692	1196	5		14	7	2.06	1136	1.96	2332	4.01
05/24/97	8717	CY50	577	358	329	834	4		5	40	1.45	736	1.28	1570	2.72
05/27/97	1133	CY46	602	554	1155	1763	0	583	12	32	2.93	2336	3.88	4099	6.81
05/27/97	1411	CY47	447	686	789	2078	4		11	16	4.65	1506	3.37	3584	8.02
05/27/97	1579	CY02	581	461	639	1372	3	503	18		2.36	1624	2.80	2996	5.16
05/27/97	6410	CY51	579	529	1498	1225	8	437	11	7	2.12	2490	4.30	3715	6.42
05/28/97	1133	CY46	602	413	1016	771	1	174	1	7	1.28	1612	2.68	2383	3.96
05/28/97	1411	CY47	447	381	506	1475	2	221	8		3.30	1118	2.50	2593	5.80
05/28/97	6410	CY51	579	216	1038	722	4		2	19	1.25	1279	2.21	2001	3.46
05/29/97	1133	CY46	602	754	659	856	3		4	21	1.42	1441	2.39	2297	3.82
05/29/97	1411	CY47	447	292	590	1377	3	219	8	36	3.08	1148	2.57	2525	5.65
05/29/97	6419	CY51	532	211	746	1168	4		6	49	2.20	1016	1.91	2184	4.11
05/29/97	8717	CY50	577	302	466	935	1		11	13	1.62	793	1.37	1728	2.99
05/30/97	1133	CY46	602	366	548	495	6	0	4	26	0.82	950	1.58	1445	2.40
05/30/97	1411	CY47	447	955	1246	1457	6		7	11	3.26	2225	4.98	3682	8.24
05/30/97	6419	CY51	532	610	250	837	2		2	15	1.57	879	1.65	1716	3.23
05/30/97	8717	CY50	577	657	671	1071	7		6	35	1.86	1376	2.38	2447	4.24
05/31/97	1133	CY46	602	565	711	1176	0	0	5	33	1.95	1314	2.18	2490	4.14
05/31/97	1411	CY47	447	368	1004	1547	7		7	15	3.46	1401	3.13	2948	6.60
05/31/97	1579	CY02	581	554	571	1015	6		3	17	1.75	1151	1.98	2166	3.73
05/31/97	6419	CY51	532	414	242	1011	5		6	14	1.90	681	1.28	1692	3.18
05/31/97	8717	CY50	577	332	504	944	10		8	21	1.64	875	1.52	1819	3.15

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Date																
06/02/97	0621	CY55	369	890	284	1012			0	7	17	2.74	1198	3.25	2210	5.99
06/02/97	1101	CY52	815	291	702	250				13	24	0.31	1080	1.26	1280	1.57
06/02/97	1148	CY46	491	387	558	1634	2	0	8	37		3.33	992	2.02	2626	5.35
06/02/97	1508	CY47	707	402	475	2066	1	195	26	13		2.92	1112	1.57	3178	4.50
06/03/97	0621	CY55	364	373	404	913	1	0	16	16		2.51	810	2.23	1723	4.73
06/03/97	1101	CY52	815	482	694	375	12	714	10	14		0.46	1926	2.36	2301	2.82
06/03/97	1508	CY47	707	459	659	974	6	704	9			1.38	1837	2.60	2811	3.98
06/04/97	0621	CY55	364	109	267	877	7	0	1	15		2.41	399	1.10	1276	3.51
06/04/97	1101	CY52	815	274	737	500			2	16		0.61	1029	1.26	1529	1.88
06/04/97	1148	CY46	491	713	1353	1234	0	0	0	15		2.51	2081	4.24	3315	6.75
06/04/97	1508	CY47	707	242	751	887	17		15	11		1.25	1036	1.47	1923	2.72
06/04/97	1581	CY02	275	214	968	1079	1		10			3.92	1193	4.34	2272	8.26
06/04/97	8701	CY50	318	1724	1803	1183	19		5	44		3.72	3595	11.31	4778	15.03
06/05/97	0611	CY55	338	271	230	571	1		5	7		1.69	514	1.52	1085	3.21
06/05/97	1111	CY52	446	323	816	1313	4		6	24		2.94	1173	2.63	2486	5.57
06/05/97	1148	CY46	491	345	609	1476	2		7	28		3.01	991	2.02	2467	5.02
06/05/97	1508	CY47	707	422	434	1469	11		8	14		2.08	889	1.26	2358	3.34
06/05/97	1581	CY02	275	221	859	1112	2		18	15		4.04	1115	4.05	2227	8.10
06/05/97	8701	CY50	318	777	1068	1157	15		15	33		3.64	1908	6.00	3065	9.64
06/06/97	0611	CY55	338	219	89	749	2	0	7	3		2.22	320	0.95	1069	3.16
06/06/97	1111	CY52	446	592	756	986	3		4	46		2.21	1401	3.14	2387	5.35
06/06/97	1148	CY46	491	496	465	1296	1		7	37		2.64	1006	2.05	2302	4.69
06/06/97	1508	CY47	707	326	381	1149	8		3	9		1.63	727	1.03	1876	2.65
06/06/97	1581	CY02	275	804	422	1408	2		8	10		5.12	1246	4.53	2654	9.65
06/06/97	8701	CY50	318	664	1273	1015	12		4	29		3.19	1982	6.23	2997	9.42
06/07/97	0611	CY55	338	269	227	1047	1		9	1		3.10	507	1.50	1554	4.60
06/07/97	1111	CY52	446	298	757	794	0	0	1	21		1.78	1077	2.41	1871	4.20
06/07/97	1148	CY46	491	282	859	1914			11			3.90	1152	2.35	3066	6.24
06/07/97	1508	CY47	707	187	410	1498	3		7	21		2.12	628	0.89	2126	3.01
06/07/97	1581	CY02	275	385	288	1200			14	8		4.36	695	2.53	1895	6.89
06/07/97	8701	CY50	318	846	1112	1183	3		19	36		3.72	2016	6.34	3199	10.06
06/09/97	1131	CY52	331	414	633	1345	1		4	18		4.06	1070	3.23	2415	7.30
06/09/97	1148	CY46	491	430	597	1773	2		14	45		3.61	1088	2.22	2861	5.83
06/09/97	1508	CY47	707	293	317	1608	4		12	25		2.27	651	0.92	2259	3.20
06/09/97	1581	CY02	275	450	475	1496		267	29			5.44	1221	4.44	2717	9.88
06/09/97	1605	CY55	354	941	838	784	25	0	6	23		2.21	1833	5.18	2617	7.39
06/09/97	8701	CY50	311	877	1182	1693	19	311	21	60		5.44	2470	7.94	4163	13.39
06/10/97	1131	CY52	331	535	732	750	1	322	4	26		2.27	1620	4.89	2370	7.16
06/10/97	1148	CY46	491	586	342	1559	1	479	6	26		3.18	1440	2.93	2999	6.11
06/10/97	1508	CY47	707	375	504	1363	8	705		7		1.93	1599	2.26	2962	4.19
06/10/97	1581	CY02	275	422	477	812	1		18			2.95	918	3.34	1730	6.29
06/10/97	1605	CY55	354	695	1470	0	5	0	3	30		0.00	2203	6.22	2203	6.22
06/10/97	8701	CY50	318	1684	1265	1057	15	376	5	20		3.32	3365	10.58	4422	13.91
06/11/97	1148	CY46	491	417	311	1137	3		12	27		2.32	770	1.57	1907	3.88
06/11/97	1508	CY47	707	589	494	1327	18		12	14		1.88	1127	1.59	2454	3.47
06/11/97	1581	CY02	275	471	808	1082			21			3.93	1300	4.73	2382	8.66
06/11/97	1605	CY55	354	541	907	699	7	0	1	12		1.97	1468	4.15	2167	6.12
06/11/97	8701	CY50	318	704	242	923	19	0	6	31		2.90	1002	3.15	1925	6.05
06/12/97	1121	CY52	286	574	884	985			9	10		3.44	1477	5.16	2462	8.61

06/12/97	1148	CY46	491	369	343	1226	0	0	13	58	2.50	783	1.59	2009	4.09
06/12/97	1508	CY47	707	232	353	1011	5		6	13	1.43	609	0.86	1620	2.29
06/12/97	1581	CY02	275	294	374	971	1		13	15	3.53	697	2.53	1668	6.07
06/12/97	1606	CY55	516	469	540	680	3	0	2	10	1.32	1024	1.98	1704	3.30
06/12/97	8701	CY50	318	784	1026	1163	23		11	46	3.66	1890	5.94	3053	9.60
06/13/97	1121	CY52	286	543	776	1294	2		4	29	4.52	1354	4.73	2648	9.26
06/13/97	1148	CY46	491	288	298	1382	2	0	12	22	2.81	622	1.27	2004	4.08
06/13/97	1508	CY47	707	247	451	1192	8	0	8	18	1.69	732	1.04	1924	2.72
06/13/97	1581	CY02	275	305	734	1255	2		15	10	4.56	1066	3.88	2321	8.44
06/13/97	1606	CY55	516	522	334	783	4	0	1	3	1.52	864	1.67	1647	3.19
06/13/97	8701	CY50	318	656	1017	1129	15		11	38	3.55	1737	5.46	2866	9.01
06/14/97	1121	CY52	286	558	751	1066	4	286	13	23	3.73	1635	5.72	2701	9.44
06/14/97	1148	CY46	491	334	464	1342	2		5	37	2.73	842	1.71	2184	4.45
06/14/97	1508	CY47	707	387	544	1742	2	0	7	9	2.46	949	1.34	2691	3.81
06/14/97	1581	CY02	275	377	358	1153			16	16	4.19	767	2.79	1920	6.98
06/14/97	1606	CY55	516	467	444	505	4	0	1	12	0.98	928	1.80	1433	2.78
06/14/97	8701	CY50	318	449	598	951	5		18	30	2.99	1100	3.46	2051	6.45
06/16/97	1148	CY46	491	365	363	1464	0	0	11	32	2.98	771	1.57	2235	4.55
06/16/97	1508	CY47	707	341	536	1953	10		13	2	2.76	902	1.28	2855	4.04
06/16/97	1581	CY02	275	322	420	1593	1	266	29		5.79	1038	3.77	2631	9.57
06/16/97	2219	CY53	406	303	1645	0		177		14	0.00	2139	5.27	2139	5.27
06/16/97	8701	CY50	318	1104	1312	0	17		17	58	0.00	2508	7.89	2508	7.89
06/17/97	0467	CY56	758	620	266	1837	1	0	10	0	2.42	897	1.18	2734	3.61
06/17/97	1148	CY46	491	246	294	628	2	487	7	15	1.28	1051	2.14	1679	3.42
06/17/97	1508	CY47	707	560	828	1181	3	705	16	12	1.67	2124	3.00	3305	4.67
06/17/97	1581	CY02	275	183	569	876	1	108	14		3.19	875	3.18	1751	6.37
06/17/97	2219	CY53	406	437	1586	0	3	177		16	0.00	2219	5.47	2219	5.47
06/17/97	8701	CY50	318	752	1386	441	8	188	6	17	1.39	2357	7.41	2798	8.80
06/18/97	0467	CY56	758	610	287	1112	3	0	18	25	1.47	943	1.24	2055	2.71
06/18/97	1148	CY46	491	286	502	996	0	487	13	36	2.03	1324	2.70	2320	4.73
06/18/97	1508	CY47	707	623	557	1112	24		6	7	1.57	1217	1.72	2329	3.29
06/18/97	1581	CY02	275	684	550	976	2	113	6		3.55	1355	4.93	2331	8.48
06/18/97	2219	CY53	406	340	995	0	4			13	0.00	1352	3.33	1352	3.33
06/18/97	8701	CY50	318	574	612	930	15		10	1	2.92	1212	3.81	2142	6.74
06/19/97	0498	CY56	805	496	724	1788	9		2	5	2.22	1236	1.54	3024	3.76
06/19/97	1148	CY46	491	193	806	1793	1		9	42	3.65	1051	2.14	2844	5.79
06/19/97	1581	CY02	275	584	317	962	0		5	10	3.50	916	3.33	1878	6.83
06/19/97	2227	CY53	433	52	1211	0	1		2		0.00	1266	2.92	1266	2.92
06/19/97	8701	CY50	318	1053	915	1094	27		11	2	3.44	2008	6.31	3102	9.75
06/20/97	0498	CY56	805	533	789	1996	16		4	8	2.48	1350	1.68	3346	4.16
06/20/97	1148	CY46	491	448	406	1200	1	0	7	18	2.44	880	1.79	2080	4.24
06/20/97	1581	CY02	275	371	312	1026	0		10	8	3.73	701	2.55	1727	6.28
06/20/97	2227	CY53	433	223	1579	0	1		2		0.00	1805	4.17	1805	4.17
06/20/97	8701	CY50	318	692	817	1198	14		5	2	3.77	1530	4.81	2728	8.58
06/21/97	0498	CY56	805	459	987	1892	3		7	0	2.35	1456	1.81	3348	4.16
06/21/97	1148	CY46	491	392	374	1325	0		14	43	2.70	823	1.68	2148	4.37
06/21/97	1508	CY47	706	658	813	1335	8		10	26	1.89	1515	2.15	2850	4.04
06/21/97	1581	CY02	275	304	347	854	1		25		3.11	677	2.46	1531	5.57
06/21/97	2227	CY53	433	241	1713	0			1	17	0.00	1972	4.55	1972	4.55

06/21/97	8701	CY50	318	451	425	1408	2		7	1	4.43	886	2.79	2294	7.21
06/23/97	0405	CY56	536	244	303	1191	1	0	4	2	2.22	554	1.03	1745	3.26
06/23/97	1148	CY46	491	490	311	1793	1	0	13	31	3.65	846	1.72	2639	5.37
06/23/97	1508	CY47	716	262	781	1335	5	0	8	12	1.86	1068	1.49	2403	3.36
06/23/97	1581	CY02	275	413	414	1358			47		4.94	874	3.18	2232	8.12
06/23/97	2214	CY53	603	629	2243	0	4	282		51	0.00	3209	5.32	3209	5.32
06/23/97	8701	CY50	318	879	1415	1694	18		14	5	5.33	2331	7.33	4025	12.66
06/24/97	0405	CY56	536	390	498	755	1	68	6	1	1.41	964	1.80	1719	3.21
06/24/97	1148	CY46	491	470	370	626	1	487	4	28	1.27	1360	2.77	1986	4.04
06/24/97	1508	CY47	707	234	336	902	4	704	6	8	1.28	1292	1.83	2194	3.10
06/24/97	1581	CY02	275	245	259	661		83	6	2	2.40	595	2.16	1256	4.57
06/24/97	2214	CY53	603	756	1935	0	1	288		24	0.00	3004	4.98	3004	4.98
06/24/97	8701	CY50	318	1191	823	997	16	188	5	5	3.14	2228	7.01	3225	10.14
06/25/97	0405	CY56	536	497	418	731	3		6	2	1.36	926	1.73	1657	3.09
06/25/97	1148	CY46	491	417	311	1168	0		3	26	2.38	757	1.54	1925	3.92
06/25/97	1508	CY47	707	359	417	952	5	0	9	10	1.35	800	1.13	1752	2.48
06/25/97	1581	CY02	275	838	496	1089		161	13		3.96	1508	5.48	2597	9.44
06/25/97	2214	CY53	603	528	2249	0	3			42	0.00	2822	4.68	2822	4.68
06/25/97	8701	CY50	318	692	1042	804			4	1	2.53	1739	5.47	2543	8.00
06/26/97	1049	CY56	882	319	497	837	2		10	1	0.95	829	0.94	1666	1.89
06/26/97	1148	CY46	491	430	554	1248	3		5	15	2.54	1007	2.05	2255	4.59
06/26/97	1508	CY47	707	830	1074	1511	6	0	4	14	2.14	1928	2.73	3439	4.86
06/26/97	1581	CY02	275	517	464	1139			21	14	4.14	1016	3.69	2155	7.84
06/26/97	8701	CY50	320	695	1064	1170	25		7	2	3.66	1793	5.60	2963	9.26
06/27/97	1049	CY56	882	129	395	967	5		9	8	1.10	546	0.62	1513	1.72
06/27/97	1148	CY46	491	346	381	1077	4		6	32	2.19	769	1.57	1846	3.76
06/27/97	1508	CY47	707	270	443	1476	10	0	1	31	2.09	755	1.07	2231	3.16
06/27/97	1581	CY02	275	536	527	1347	1		15	10	4.90	1089	3.96	2436	8.86
06/27/97	2215	CY53	533	794	1328	0				10	0.00	2132	4.00	2132	4.00
06/27/97	8701	CY50	318	1045	1170		18		3	0	0.00	2236	7.03	2236	7.03
06/28/97	1049	CY56	882	173	307	1110	6		10	3	1.26	499	0.57	1609	1.82
06/28/97	1148	CY46	491	329	432	1148	0	0	8	32	2.34	801	1.63	1949	3.97
06/28/97	1508	CY47	707	259	118	985	3		5	10	1.39	395	0.56	1380	1.95
06/28/97	1581	CY02	275	268	531	785	1		15	14	2.85	829	3.01	1614	5.87
06/28/97	2215	CY53	533	342	1053		4			15	0.00	1414	2.65	1414	2.65
06/28/97	8701	CY50	318	792	858	1150	1		5		3.62	1656	5.21	2806	8.82
06/30/97	1145	CY46	503	417	817	1700	1	0	12	34	3.38	1281	2.55	2981	5.93
06/30/97	1475	CY47	848	661	953	2029	9		12	32	2.39	1667	1.97	3696	4.36
06/30/97	1929	CY60	615	263	385	1443	5		1	33	2.35	687	1.12	2130	3.46
06/30/97	3716	CY57	543	53	173	266	1	473	5	1	0.49	706	1.30	972	1.79
06/30/97	4243	CY04	372	638	1005	1473	9		12	37	3.96	1701	4.57	3174	8.53
06/30/97	8735	CY50	429	762	1384	1557	9		14	20	3.63	2189	5.10	3746	8.73
07/01/97	1145	CY46	502	342	419	1329	1	497	10	32	2.65	1301	2.59	2630	5.24
07/01/97	1475	CY47	848	357	882	1308	5	442	9	10	1.54	1705	2.01	3013	3.55
07/01/97	1929	CY60	615	141	1167	673		565	4	24	1.09	1901	3.09	2574	4.19
07/01/97	3716	CY57	543	52	309	248	3		3	1	0.46	368	0.68	616	1.13
07/01/97	4243	CY04	372	1053	710	1021	1	114	6		2.74	1884	5.06	2905	7.81
07/01/97	8735	CY50	429	1003	922	920	5	354	4	3	2.14	2291	5.34	3211	7.48
07/02/97	1145	CY46	502	521	459	1101	2		13	15	2.19	1010	2.01	2111	4.21

07/02/97	3716	CY57	543	68	377	294	2		2	8	0.54	457	0.84	751	1.38
07/02/97	4243	CY04	372	535	701	968	1	-170	17		2.60	1424	3.83	2392	6.43
07/02/97	8735	CY50	429	589	701	854	3		12	8	1.99	1313	3.06	2167	5.05
07/03/97	1145	CY46	502	348	400	1927	2		5	29	3.84	784	1.56	2711	5.40
07/03/97	1475	CY47	848	425	1099	1864	5		5	59	2.20	1593	1.88	3457	4.08
07/03/97	1913	CY60	580	146	427	1244			8	8	2.14	589	1.02	1833	3.16
07/03/97	3709	CY57	549	131	235	495	6		0	2	0.90	374	0.68	869	1.58
07/03/97	4243	CY04	372	786	884	1296	2		11	13	3.48	1696	4.56	2992	8.04
07/03/97	8735	CY50	429	365	981	1744	3		3		4.07	1352	3.15	3096	7.22
07/05/97	1145	CY46	502	577	725	2301	2	0	16	48	4.58	1368	2.73	3669	7.31
07/05/97	1475	CY47	848	571	1014	2512	10		1	42	2.96	1638	1.93	4150	4.89
07/05/97	1913	CY60	580	225	320	1197	9		6	17	2.06	577	0.99	1774	3.06
07/05/97	3709	CY57	549	305	202	0	1		13		0.00	521	0.95	521	0.95
07/05/97	4243	CY04	372	1194	1921	2015	1		42	7	5.42	3165	8.51	5180	13.92
07/05/97	8735	CY50	429	738	1507	2016	1		6	6	4.70	2258	5.26	4274	9.96
07/07/97	1145	CY46	502	649	619	1396	3		21	42	2.78	1334	2.66	2730	5.44
07/07/97	1475	CY47	848	641	1361	1186	5	0	6	36	1.40	2049	2.42	3235	3.81
07/07/97	1901	CY60	620	400	607	1801	8		12	33	2.90	1060	1.71	2861	4.61
07/07/97	3707	CY57	343	363	437	998	1	342	9	2	2.91	1154	3.36	2152	6.27
07/07/97	4243	CY04	372	964	1165	1685	2		16		4.53	2147	5.77	3832	10.30
07/07/97	8735	CY50	429	1107	1381	1556	7		9	12	3.63	2516	5.86	4072	9.49
07/08/97	1145	CY46	502	503	733	1609	2	497	11	23	3.21	1769	3.52	3378	6.73
07/08/97	1475	CY47	848	403	944	958	4		6	28	1.13	1385	1.63	2343	2.76
07/08/97	1901	CY60	620	595	906	1162	6		4	23	1.87	1534	2.47	2696	4.35
07/08/97	3707	CY57	343	605	273	518	2		3	1	1.51	884	2.58	1402	4.09
07/08/97	4243	CY04	372	839	885	1029	2	152	1		2.77	1879	5.05	2908	7.82
07/08/97	8735	CY50	429	1077	811	796	7		5	2	1.86	1902	4.43	2698	6.29
07/09/97	1145	CY46	502	603	518	1635	1	0	19	30	3.26	1171	2.33	2806	5.59
07/09/97	1475	CY47	848	492	1478	1310	7	442	20	14	1.54	2453	2.89	3763	4.44
07/09/97	1901	CY60	620	320	603	1767	10		12	33	2.85	978	1.58	2745	4.43
07/09/97	3707	CY57	343	365	343	634	3		7	1	1.85	719	2.10	1353	3.94
07/09/97	4243	CY04	372	949	1477	1222	3		3	7	3.28	2439	6.56	3661	9.84
07/09/97	8735	CY50	429	380	702	951	0	354	9		2.22	1445	3.37	2396	5.59
07/10/97	1145	CY46	502	966	494	1604	1		7	27	3.20	1495	2.98	3099	6.17
07/10/97	1475	CY47	848	227	919	1561	7	0	3	27	1.84	1183	1.40	2744	3.24
07/10/97	1917	CY60	928	382	563	1144					1.23	945	1.02	2089	2.25
07/10/97	3704	CY57	414	420	391	705	1		8	6	1.70	826	2.00	1531	3.70
07/10/97	4243	CY04	372	675	996	1554	4		7	22	4.18	1704	4.58	3258	8.76
07/10/97	8735	CY50	429	852	1578	1559	1	341	8		3.63	2780	6.48	4339	10.11
07/11/97	1145	CY46	503	444	350	1258	1	0	6	40	2.50	841	1.67	2099	4.17
07/11/97	1475	CY47	848	396	835	1589	4	0	3		1.87	1238	1.46	2827	3.33
07/11/97	1917	CY60	928	384	729	1250	4		6	29	1.35	1152	1.24	2402	2.59
07/11/97	3704	CY57	414	223	253	618	2		4	11	1.49	493	1.19	1111	2.68
07/11/97	4243	CY04	372	578	1118	1336	5		17	3	3.59	1721	4.63	3057	8.22
07/11/97	8735	CY50	429	792	1063	1290	5	0	6	15	3.01	1881	4.38	3171	7.39
07/12/97	1145	CY46	502	276	311	1388	1	0	3	19	2.76	610	1.22	1998	3.98
07/12/97	1475	CY47	848	559	929	1910	5	0	2	41	2.25	1536	1.81	3446	4.06
07/12/97	1917	CY60	928	279	1146	1414	7		5	34	1.52	1471	1.59	2885	3.11
07/12/97	3704	CY57	414	109	333	716	1		3	13	1.73	459	1.11	1175	2.84

07/12/97	4243	CY04	372	610	897	1349	2		20	7	3.63	1536	4.13	2885	7.76
07/12/97	8735	CY50	429	884	903	846	4	0	8	7	1.97	1806	4.21	2652	6.18
07/14/97	1145	CY46	502	444	774	1783	3	0	21	31	3.55	1273	2.54	3056	6.09
07/14/97	1475	CY47	848	946	1021	2282	14		7	62	2.69	2050	2.42	4332	5.11
07/14/97	4243	CY04	372	852	1040	1325	4		14		3.56	1910	5.13	3235	8.70
07/14/97	8735	CY50	429	527	753	1704	7		9	5	3.97	1301	3.03	3005	7.00
07/15/97	1145	CY46	503	453	905	1254	1	497	17	54	2.49	1927	3.83	3181	6.32
07/15/97	1475	CY47	848	378	680	921	12	0	4	10	1.09	1084	1.28	2005	2.36
07/15/97	4243	CY04	372	1004	731	1142	7	157	13		3.07	1912	5.14	3054	8.21
07/15/97	4271	CY61	798	488	495	1619	3	789	14	26	2.03	1815	2.27	3434	4.30
07/15/97	8212	CY58	207	307	271	891	5	207	16	13	4.30	819	3.96	1710	8.26
07/15/97	8735	CY50	429	632	969	950	4	386	5	14	2.21	2010	4.69	2960	6.90
07/16/97	1145	CY46	502	349	424	1145	1		12	22	2.28	808	1.61	1953	3.89
07/16/97	1475	CY47	848	348	441	1213	14	442	23	29	1.43	1297	1.53	2510	2.96
07/16/97	4243	CY04	372	866	1137	1306	3	150	13		3.51	2169	5.83	3475	9.34
07/16/97	4271	CY61	798	456	550	1329	4	0	5	26	1.67	1041	1.30	2370	2.97
07/16/97	8212	CY58	207	152	315	758	1	442	16	5	3.66	931	4.50	1689	8.16
07/16/97	8735	CY50	429	1053	718	1390	4		5	7	3.24	1787	4.17	3177	7.41
07/17/97	1145	CY46	502	646	676	1243	4		14	34	2.48	1374	2.74	2617	5.21
07/17/97	1475	CY47	848	335	877	1213	6		4	28	1.43	1250	1.47	2463	2.90
07/17/97	2717	CY61	634	226	283	1015	6		7	25	1.60	547	0.86	1562	2.46
07/17/97	4243	CY04	372	609	892	1285	4		16	9	3.45	1530	4.11	2815	7.57
07/17/97	8217	CY58	204	231	190	373	3		4		1.83	428	2.10	801	3.93
07/17/97	8735	CY50	429	735	904	1429	6		8	11	3.33	1664	3.88	3093	7.21
07/18/97	1145	CY46	502	476	369	1315	1	0	5	30	2.62	881	1.75	2196	4.37
07/18/97	1475	CY47	848	590	757	1485	3		3	28	1.75	1381	1.63	2866	3.38
07/18/97	2717	CY61	634	139	688	1093	3		4	8	1.72	842	1.33	1935	3.05
07/18/97	4243	CY04	372	546	1039	1047	5		21	23	2.81	1634	4.39	2681	7.21
07/18/97	8217	CY58	204	186	214	510	1		4		2.50	405	1.99	915	4.49
07/18/97	8735	CY50	429	530	959	1210	7		6	13	2.82	1515	3.53	2725	6.35
07/19/97	1145	CY46	502	345	614	1592	1	0	18	20	3.17	998	1.99	2590	5.16
07/19/97	1475	CY47	848	506	1221	1953	10		3	31	2.30	1771	2.09	3724	4.39
07/19/97	2717	CY61	634	204	285	1056	3		4	13	1.67	509	0.80	1565	2.47
07/19/97	4243	CY04	372	420	894	1237	2		17	7	3.33	1340	3.60	2577	6.93
07/19/97	8217	CY58	204	174	177	601	1		2	3	2.95	357	1.75	958	4.70
07/19/97	8735	CY50	429	432	1003	1364	3		10	21	3.18	1469	3.42	2833	6.60
07/21/97	1145	CY46	488	650	603	1739	3		19	27	3.56	1302	2.67	3041	6.23
07/21/97	1475	CY47	848	649	1074	2139	4	0	15	29	2.52	1771	2.09	3910	4.61
07/21/97	4243	CY04	372	1087	1079	1159	5		11	15	3.12	2197	5.91	3356	9.02
07/21/97	4275	CY61	691	469	565	2205	3		8	33	3.19	1078	1.56	3283	4.75
07/21/97	8218	CY58	577	209	217	1214	3	335	24	5	2.10	793	1.37	2007	3.48
07/21/97	8735	CY50	429	1041	929	1780	14		17	10	4.15	2011	4.69	3791	8.84
07/22/97	1145	CY46	503	466	519	738	4	497	11	38	1.47	1535	3.05	2273	4.52
07/22/97	1475	CY47	848	355	792	964	7	442	2	9	1.14	1607	1.90	2571	3.03
07/22/97	4243	CY04	372	1037	677	842	3	143	1	7	2.26	1868	5.02	2710	7.28
07/22/97	4275	CY61	691	272	1023	932	2	655	19	24	1.35	1995	2.89	2927	4.24
07/22/97	8218	CY58	577	214	296	615	2	242	15	5	1.07	774	1.34	1389	2.41
07/22/97	8735	CY50	429	970	960	1010	1	357	12	8	2.35	2308	5.38	3318	7.73
07/23/97	1145	CY46	502	452	331	1054	1		19	23	2.10	826	1.65	1880	3.75

07/23/97	1475	CY47	848	387	553	1458	6	0	10	21	1.72	977	1.15	2435	2.87
07/23/97	4243	CY04	372	619	1179	857	3	157	5	8	2.30	1971	5.30	2828	7.60
07/23/97	4275	CY61	691	486	481	1012	3	0	9	15	1.46	994	1.44	2006	2.90
07/23/97	8218	CY58	577	182	208	637	3		3	1	1.10	397	0.69	1034	1.79
07/23/97	8735	CY50	429	999	948	1310			9	6	3.05	1962	4.57	3272	7.63
07/24/97	1145	CY46	502	328	277	1235	0	0	9	15	2.46	629	1.25	1864	3.71
07/24/97	1475	CY47	848	262	608	1859	9	0	6	19	2.19	904	1.07	2763	3.26
07/24/97	4243	CY04	372	432	836	1206	2		23	11	3.24	1304	3.51	2510	6.75
07/24/97	4273	CY61	895	296	288	999	4	895	8	12	1.12	1503	1.68	2502	2.80
07/24/97	8221	CY58	169	165	79	1218	2		11		7.21	257	1.52	1475	8.73
07/24/97	8735	CY50	429	631	752	1119	3		4	1	2.61	1391	3.24	2510	5.85
07/25/97	1145	CY46	502	638	558	1502	2	0	15	28	2.99	1241	2.47	2743	5.46
07/25/97	1475	CY47	848	544	1133	1578	10	0	12	25	1.86	1724	2.03	3302	3.89
07/25/97	4243	CY04	372	821	849	1127	5		19	7	3.03	1701	4.57	2828	7.60
07/25/97	4273	CY61	895	318	339	968	3		4	16	1.08	680	0.76	1648	1.84
07/25/97	8221	CY58	169	153	101	1124	3		17	4	6.65	278	1.64	1402	8.30
07/25/97	8735	CY50	429	480	933	127	4		9	6	0.30	1432	3.34	1559	3.63
07/26/97	1145	CY46	502	287	419	1153	0	0	6	13	2.30	725	1.44	1878	3.74
07/26/97	1475	CY47	848	359	581	1700	9	0	2	34	2.00	985	1.16	2685	3.17
07/26/97	4243	CY04	372	882	865	1197	1		17		3.22	1765	4.74	2962	7.96
07/26/97	4273	CY61	895	334	427	1161	7		5	22	1.30	795	0.89	1956	2.19
07/26/97	8221	CY58	169	163	207	1292		158	32		7.64	560	3.31	1852	10.96
07/28/97	0320	CY59	628	404	596	1221	5		20	19	1.94	1044	1.66	2265	3.61
07/28/97	0406	CY62	286	167	616	990	7		7	40	3.46	837	2.93	1827	6.39
07/28/97	1132	CY46	634	300	649	1362	1	0	16	36	2.15	1002	1.58	2364	3.73
07/28/97	1586	CY47	525	413	628	2454	3	0	7	36	4.67	1087	2.07	3541	6.74
07/28/97	4234	CY04	398	922	622	1718	1		10	19	4.32	1574	3.95	3292	8.27
07/28/97	8759	CY50	768	539	1265	1803	9		21	18	2.35	1852	2.41	3655	4.76
07/29/97	0320	CY59	628	425	551	385	3		6	5	0.61	990	1.58	1375	2.19
07/29/97	0406	CY62	286	488	835	741	5	228	2	15	2.59	1573	5.50	2314	8.09
07/29/97	1132	CY46	634	367	814	701	1	598	9	33	1.11	1822	2.87	2523	3.98
07/29/97	1586	CY47	525	904	1437	1099	1	515		3	2.09	2860	5.45	3959	7.54
07/29/97	4234	CY04	398	563	450	1079		206	13	4	2.71	1236	3.11	2315	5.82
07/29/97	8759	CY50	768	502	716	884	4		9	6	1.15	1237	1.61	2121	2.76
07/30/97	0320	CY59	628	471	531	707	2		9	7	1.13	1020	1.62	1727	2.75
07/30/97	0406	CY62	286	213	391	1036	3		15	8	3.62	630	2.20	1666	5.83
07/30/97	1132	CY46	634	351	534	497	4	0	3	17	0.78	909	1.43	1406	2.22
07/30/97	1586	CY47	525	260	332	1144	6		4	23	2.18	625	1.19	1769	3.37
07/30/97	4234	CY04	398	824	452	1640	2	191	13	9	4.12	1491	3.75	3131	7.87
07/30/97	8759	CY50	768	347	334	1016	7	749	7	3	1.32	1447	1.88	2463	3.21
07/31/97	0305	CY59	367	518	853	840	1				2.29	1372	3.74	2212	6.03
07/31/97	0415	CY62	514	228	360	1244	2	492	14	24	2.42	1120	2.18	2364	4.60
07/31/97	1132	CY46	634	314	279	885	0	0	10	22	1.40	625	0.99	1510	2.38
07/31/97	1586	CY47	525	295	446	1478	8	0	6	16	2.82	771	1.47	2249	4.28
07/31/97	4234	CY04	398	609	955	2007			15	7	5.04	1586	3.98	3593	9.03
07/31/97	8739	CY50	768	415	718	1541	7		11	19	2.01	1170	1.52	2711	3.53
08/01/97	0305	CY59	367	772	824	549	2	74	2	12	1.50	1686	4.59	2235	6.09
08/01/97	0415	CY62	514	229	371	1170	1		10	27	2.28	638	1.24	1808	3.52
08/01/97	1132	CY46	634	357	302	1114	4	0	19	31	1.76	713	1.12	1827	2.88

08/01/97	1586	CY47	525	383	892	1278	4	0	8	14	2.43	1301	2.48	2579	4.91
08/01/97	4234	CY04	398	552	1192	1520	1		14	4	3.82	1763	4.43	3283	8.25
08/01/97	8759	CY50	768	541	701	1134	1		11	5	1.48	1259	1.64	2393	3.12
08/02/97	0305	CY59	257	891	1074	0	3	193	3	2	0.00	2166	8.43	2166	8.43
08/02/97	0415	CY62	514	514	760	1470	6		1	34	2.86	1315	2.56	2785	5.42
08/02/97	1132	CY46	634	302	346	781	3	0	13	21	1.23	685	1.08	1466	2.31
08/02/97	1586	CY47	525	199	915	1780	4	0	7	10	3.39	1135	2.16	2915	5.55
08/02/97	4234	CY04	398	868	367	1555	2		13	12	3.91	1262	3.17	2817	7.08
08/02/97	8759	CY50	768	396	285	1022			12	9	1.33	702	0.91	1724	2.24
08/04/97	0424	CY62	970	67	312	360	1		8	17	0.37	405	0.42	765	0.79
08/04/97	1132	CY46	634	415	590	781	0		11	17	1.23	1033	1.63	1814	2.86
08/04/97	1586	CY47	525	926	514	1567	3	0	28	27	2.98	1498	2.85	3065	5.84
08/04/97	2417	CY59	445	489	752	327	2		37	14	0.73	1294	2.91	1621	3.64
08/04/97	4234	CY04	398	991	562	2245			19	22	5.64	1594	4.01	3839	9.65
08/05/97	0424	CY62	970	171	709	780		907	5	28	0.80	1820	1.88	2600	2.68
08/05/97	1132	CY46	634	388	602	653	2	586	11	49	1.03	1638	2.58	2291	3.61
08/05/97	1586	CY47	525	607	432	1147	5	518	5	25	2.18	1592	3.03	2739	5.22
08/05/97	2417	CY59	445	296	537	137	3		5	4	0.31	845	1.90	982	2.21
08/05/97	4234	CY04	398	705	748	1462	1	205	6	9	3.67	1674	4.21	3136	7.88
08/05/97	8759	CY50	768	497	383	1064	6		10	5	1.39	901	1.17	1965	2.56
08/06/97	0424	CY62	970	101	96	512	5		0	9	0.53	211	0.22	723	0.75
08/06/97	1132	CY46	634	274	417	799	3		19	33	1.26	746	1.18	1545	2.44
08/06/97	1586	CY47	525	342	802	982	5	0	13	15	1.87	1177	2.24	2159	4.11
08/06/97	2417	CY59	445	306	689	336	2		27	9	0.76	1033	2.32	1369	3.08
08/06/97	4234	CY04	398	973	557	1085	1	190	13	7	2.73	1741	4.37	2826	7.10
08/06/97	8759	CY50	768	1050	1074	826	0	748	7	5	1.08	2884	3.76	3710	4.83
08/07/97	0426	CY62	523	294	777	871	9		5	50	1.67	1135	2.17	2006	3.84
08/07/97	1132	CY46	634	220	317	918	0	0	13	16	1.45	566	0.89	1484	2.34
08/07/97	1586	CY47	525	141	329	1538	2	0	10	22	2.93	504	0.96	2042	3.89
08/07/97	2402	CY59	556	457	1192	102	5		3	2	0.18	1659	2.98	1761	3.17
08/07/97	4234	CY04	398	692	668	1431	1	0	15	13	3.60	1389	3.49	2820	7.09
08/07/97	8759	CY50	768	594	1041	1097	2		4	11	1.43	1652	2.15	2749	3.58
08/08/97	0426	CY62	523	224	685	950	9		13	22	1.82	953	1.82	1903	3.64
08/08/97	1132	CY46	634	322	430	834	2	0	8	11	1.32	773	1.22	1607	2.53
08/08/97	1586	CY47	525	351	481	2085	5		13	31	3.97	881	1.68	2966	5.65
08/08/97	2402	CY59	556	456	1044	0	3		3		0.00	1506	2.71	1506	2.71
08/08/97	4234	CY04	398	493	472	1555	4		10	24	3.91	1003	2.52	2558	6.43
08/08/97	8759	CY50	768	342	426	1005	2		7	1	1.31	778	1.01	1783	2.32
08/09/97	0426	CY62	523	207	940	858	3		11	18	1.64	1179	2.25	2037	3.89
08/09/97	1132	CY46	634	318	437	680	5	0	3	21	1.07	784	1.24	1464	2.31
08/09/97	1586	CY47	525	354	396	1626	8		9	23	3.10	790	1.50	2416	4.60
08/09/97	2402	CY59	556	255	1278	0	0		5		0.00	1538	2.77	1538	2.77
08/09/97	4234	CY04	398	489	354	1446	2		16	11	3.63	872	2.19	2318	5.82
08/09/97	8759	CY50	768	278	353	1120	4		4	4	1.46	643	0.84	1763	2.30
08/11/97	0825	CY63	278	701	572	1825	0	0	20	27	6.56	1320	4.75	3145	11.31
08/11/97	1132	CY46	634	427	883	1013	2		25	16	1.60	1353	2.13	2366	3.73
08/11/97	1401	CY64	417	615	403	1298	2		27	10	3.11	1057	2.53	2355	5.65
08/11/97	1586	CY47	525	622	664	1539	4		24	15	2.93	1329	2.53	2868	5.46
08/11/97	4234	CY04	398	555	523	1921	0		12	31	4.83	1121	2.82	3042	7.64

08/11/97	8759	CY50	768	1145	611	1375	2		9	11	1.79	1778	2.32	3153	4.11
08/12/97	0825	CY63	278	1230	541	940	0	⟍275	20	18	3.38	2084	7.50	3024	10.88
08/12/97	1132	CY46	634	326	495	660	7	601	42	11	1.04	1482	2.34	2142	3.38
08/12/97	1401	CY64	417	599	355	685	2		29	0	1.64	985	2.36	1670	4.00
08/12/97	1586	CY47	525	331	524	1170	3	515	16	15	2.23	1404	2.67	2574	4.90
08/12/97	4234	CY04	398	548	624	1581	2	200	8	16	3.97	1398	3.51	2979	7.48
08/12/97	8759	CY50	768	1367	1045	796	5	754	10	9	1.04	3190	4.15	3986	5.19
08/13/97	0825	CY63	278	769	687	904	0		20	16	3.25	1492	5.37	2396	8.62
08/13/97	1132	CY46	634	774	553	642	1		14	20	1.01	1362	2.15	2004	3.16
08/13/97	1401	CY64	417	321	390	1107	5	410	17	0	2.65	1143	2.74	2250	5.40
08/13/97	1586	CY47	525	462	244	978	3		20	8	1.86	737	1.40	1715	3.27
08/13/97	4234	CY04	398	514	499	1353	1	198	4	20	3.40	1236	3.11	2589	6.51
08/13/97	8759	CY50	768	711	864	920	1	251	10	8	1.20	1845	2.40	2765	3.60
08/14/97	0825	CY63	278	787	473	991	2		6	41	3.56	1309	4.71	2300	8.27
08/14/97	1132	CY46	634	313	242	1024	0		4	13	1.62	572	0.90	1596	2.52
08/14/97	1586	CY47	526	523	728	1204	2	0	12	17	2.29	1282	2.44	2486	4.73
08/14/97	2407	CY64	320	331	417	1001	0		3	11	3.13	762	2.38	1763	5.51
08/14/97	4234	CY04	398	993	483	1862	3		6	13	4.68	1498	3.76	3360	8.44
08/14/97	8759	CY50	767	297	1176	1040	1		5	2	1.36	1481	1.93	2521	3.29
08/15/97	0825	CY63	278	378	427	1134	1		12	21	4.08	839	3.02	1973	7.10
08/15/97	1132	CY46	634	385	293	777	2	0	8	19	1.23	707	1.12	1484	2.34
08/15/97	1586	CY47	525	618	0	1282	3	0	16	16	2.44	653	1.24	1935	3.69
08/15/97	2407	CY64	320	381	349	860	1		8	10	2.69	749	2.34	1609	5.03
08/15/97	4234	CY04	398	653	546	1279	3		7	15	3.21	1224	3.08	2503	6.29
08/16/97	0825	CY63	278	207	362	1271			9	17	4.57	595	2.14	1866	6.71
08/16/97	1132	CY46	634	209	354	893	2	0	7	21	1.41	593	0.94	1486	2.34
08/16/97	1586	CY47	525	1153	0	1820	3	0	10	13	3.47	1179	2.25	2999	5.71
08/16/97	2407	CY64	320	279	391	994	2		10	30	3.11	712	2.23	1706	5.33
08/16/97	4234	CY04	398	409	433	1364	4		9	8	3.43	863	2.17	2227	5.60
08/16/97	8759	CY50	768	382	287	1505	4		13	4	1.96	690	0.90	2195	2.86
08/18/97	0825	CY63	278	628	466	1342	5		20	36	4.83	1155	4.15	2497	8.98
08/18/97	1132	CY46	634	291	728	1015	1	0	18	24	1.60	1062	1.68	2077	3.28
08/18/97	1457	CY64	418	626	1143	759	15		19	15	1.82	1818	4.35	2577	6.17
08/18/97	1586	CY47	525	771	574	2090	0	0	21	2	3.98	1368	2.61	3458	6.59
08/18/97	4234	CY04	398	520	589	1828	1		17	70	4.59	1197	3.01	3025	7.60
08/18/97	8759	CY50	786	0	0	748	1	0	15	27	0.95	43	0.05	791	1.01
08/19/97	0825	CY63	278	589	387	802	0		14	1	2.88	991	3.56	1793	6.45
08/19/97	1132	CY46	634	661	651	580	3	594	12	18	0.91	1939	3.06	2519	3.97
08/19/97	1457	CY64	418	664	712	667	9		27		1.60	1412	3.38	2079	4.97
08/19/97	1586	CY47	525	436	929	986	4	521	6	0	1.88	1896	3.61	2882	5.49
08/19/97	4234	CY04	398	654	418	1180	3	210	18	34	2.96	1337	3.36	2517	6.32
08/19/97	8759	CY50	768	152	331	820	2	755	6	14	1.07	1260	1.64	2080	2.71
08/20/97	0825	CY63	278	464	550	840			13	16	3.02	1043	3.75	1883	6.77
08/20/97	1132	CY46	634	451	785	692	1	0	9	29	1.09	1275	2.01	1967	3.10
08/20/97	1457	CY64	418	544	376	560	7		14	3	1.34	944	2.26	1504	3.60
08/20/97	1586	CY47	525	354	322	1143	5		13	15	2.18	709	1.35	1852	3.53
08/20/97	4234	CY04	398	249	653	1167	2	188	11	23	2.93	1126	2.83	2293	5.76
08/20/97	8759	CY50	768	375	486	1500		755	7	11	1.95	1634	2.13	3134	4.08
08/21/97	0827	CY63	315	347	813	255	14			7	0.81	1181	3.75	1436	4.56

08/21/97	1132	CY46	634	370	342	615	6	0	9	33	0.97	760	1.20	1375	2.17
08/21/97	1586	CY47	525	306	201	1238	4	0	14	23	2.36	548	1.04	1786	3.40
08/21/97	2411	CY64	274	353	378	1084			10	1	3.96	742	2.71	1826	6.66
08/21/97	4234	CY04	398	754	562	1505	2	0	10	10	3.78	1338	3.36	2843	7.14
08/22/97	0827	CY63	315	331	933	397	5	0	20	4	1.26	1293	4.10	1690	5.37
08/22/97	1132	CY46	634	288	344	676	1	0	5	29	1.07	667	1.05	1343	2.12
08/22/97	1586	CY47	525	810	371	1350	6		16	19	2.57	1222	2.33	2572	4.90
08/22/97	2411	CY64	274	340	286	1191	3		11	6	4.35	646	2.36	1837	6.70
08/22/97	4234	CY04	398	609	353	1136	3	0	10	3	2.85	978	2.46	2114	5.31
08/22/97	8759	CY50	768	355	707	1320	4		16	12	1.72	1094	1.42	2414	3.14
08/23/97	0827	CY63	315	229	898	482	1		12	8	1.53	1148	3.64	1630	5.17
08/23/97	1132	CY46	634	274	746	786	2		15	36	1.24	1073	1.69	1859	2.93
08/23/97	1586	CY47	525	1034	569	1931	4		18	29	3.68	1654	3.15	3585	6.83
08/23/97	2411	CY64	274	346	433	1164	1		14	5	4.25	799	2.92	1963	7.16
08/23/97	8759	CY50	768	555	407	1009	5		10	18	1.31	995	1.30	2004	2.61
08/25/97	0822	CY63	296	687	700	1946	3		28	48	6.57	1466	4.95	3412	11.53
08/25/97	1142	CY46	472	668	177	1837	1		24	29	3.89	899	1.90	2736	5.80
08/25/97	1507	CY47	633	947	773	2008	7		25	28	3.17	1780	2.81	3788	5.98
08/25/97	4234	CY04	398	526	1063	1517	1		19	14	3.81	1623	4.08	3140	7.89
08/25/97	8744	CY50	351	427	661	1617	1		19	35	4.61	1143	3.26	2760	7.86
08/26/97	0822	CY63	296	888	569	1002	2	0	19	6	3.39	1484	5.01	2486	8.40
08/26/97	1142	CY46	472	627	325	1118	1		24	14	2.37	991	2.10	2109	4.47
08/26/97	1507	CY47	633	659	438	1170	6	558	5	17	1.85	1683	2.66	2853	4.51
08/26/97	4254	CY04	378	662	336	1199	2	189	9	19	3.17	1217	3.22	2416	6.39
08/26/97	8744	CY50	351	940	645	1160	3	349	10	25	3.30	1972	5.62	3132	8.92
08/27/97	0822	CY63	296	354	331	951	3	259	9	29	3.21	985	3.33	1936	6.54
08/27/97	1142	CY46	472	906	773	1269	2	459	21	23	2.69	2184	4.63	3453	7.32
08/27/97	1507	CY47	633	297	589	1027	8		16	9	1.62	919	1.45	1946	3.07
08/27/97	4254	CY04	378	382	347	1160	3	189		16	3.07	937	2.48	2097	5.55
08/27/97	8744	CY50	351	444	563	846	1		14	17	2.41	1039	2.96	1885	5.37
08/28/97	0831	CY63	463	775	775	797	1	433	11	6	1.72	2001	4.32	2798	6.04
08/28/97	1142	CY46	472	375	727	1506	0	0	25	24	3.19	1151	2.44	2657	5.63
08/28/97	1507	CY47	633	431	502	1649	7		5	14	2.61	959	1.52	2608	4.12
08/28/97	4254	CY04	378	648	404	1523	1	0	15	8	4.03	1076	2.85	2599	6.88
08/28/97	8744	CY50	351	941	738	1263	2		16	10	3.60	1707	4.86	2970	8.46
08/29/97	0831	CY63	463	1171	1193	1171	4		10	10	2.53	2388	5.16	3559	7.69
08/29/97	1142	CY46	472	381	759	1545	2		9	43	3.27	1194	2.53	2739	5.80
08/29/97	1507	CY47	633	1197	605	1397	4	0	4	3	2.21	1813	2.86	3210	5.07
08/29/97	4254	CY04	378	598	750	1328	2	0	5	9	3.51	1364	3.61	2692	7.12
08/29/97	8744	CY50	351	585	687	1346	4		7	8	3.83	1291	3.68	2637	7.51
08/30/97	0831	CY63	463	652	1500	1237	2		15		2.67	2169	4.68	3406	7.36
08/30/97	1142	CY46	472	401	1162	1180	2	0	16	26	2.50	1607	3.40	2787	5.90
08/30/97	1507	CY47	633	1011	520	1537		0	5		2.43	1536	2.43	3073	4.85
08/30/97	4254	CY04	378	493	1283	1572	2	0	7	0	4.16	1785	4.72	3357	8.88
08/30/97	8744	CY50	351	878	595	1442	4		13	9	4.11	1499	4.27	2941	8.38
09/02/97	0828	CY63	263	462	604	1247	4	0	20	41	4.74	1131	4.30	2378	9.04
09/02/97	1142	CY46	472	686	883	2361	3		28	82	5.00	1682	3.56	4043	8.57
09/02/97	1507	CY47	633	969	1232	3383	9		21	58	5.34	2289	3.62	5672	8.96
09/02/97	4254	CY04	378	561	1092	3051	2	0	19	18	8.07	1692	4.48	4743	12.55

09/02/97	8744	CY50	351	762	781	1667	4		17	51	4.75	1615	4.60	3282	9.35
09/03/97	0828	CY63	263	795	642	606	1	0	10	2	2.30	1450	5.51	2056	7.82
09/03/97	1142	CY46	472	410	419	1168	2	460	6	24	2.47	1321	2.80	2489	5.27
09/03/97	1507	CY47	633	301	892	1169	4		22	49	1.85	1268	2.00	2437	3.85
09/03/97	4254	CY04	378	743	474	1027	0	378	4	4	2.72	1603	4.24	2630	6.96
09/03/97	8744	CY50	351	1011	984	1540	2	348	5	54	4.39	2404	6.85	3944	11.24
09/04/97	0807	CY63	347	1055	910	747	1		5	4	2.15	1975	5.69	2722	7.84
09/04/97	1142	CY46	472	559	544	1445	1	0	5	14	3.06	1123	2.38	2568	5.44
09/04/97	1507	CY47	633	1193	827	1637		642			2.59	2662	4.21	4299	6.79
09/04/97	4254	CY04	378	771	300	1327	2	0	7	6	3.51	1086	2.87	2413	6.38
09/04/97	8744	CY50	351	840	658	1298	7		9	20	3.70	1534	4.37	2832	8.07
09/05/97	0807	CY63	347	1244	376	1056	1		9	9	3.04	1639	4.72	2695	7.77
09/05/97	1142	CY46	472	402	458	1504	2	0	5	19	3.19	886	1.88	2390	5.06
09/05/97	1507	CY47	633	805	801	1267	7		5	8	2.00	1626	2.57	2893	4.57
09/05/97	4254	CY04	378	663	726	1861	3	0	5	5	4.92	1402	3.71	3263	8.63
09/05/97	8744	CY50	351	1002	740	1036	5		6	10	2.95	1763	5.02	2799	7.97
09/06/97	0807	CY63	347	430	571	917	2		6	4	2.64	1013	2.92	1930	5.56
09/06/97	1142	CY46	472	1255	342	1618	3	0	8	25	3.43	1633	3.46	3251	6.89
09/06/97	1507	CY47	633	539	700	1753	6		6	17	2.77	1268	2.00	3021	4.77
09/06/97	4254	CY04	378	371	286	1477	1	0	6	130	3.91	794	2.10	2271	6.01
09/06/97	8744	CY50	351	619	585	980	1		10	9	2.79	1224	3.49	2204	6.28
09/08/97	0830	CY63	459	409	973	1289	3	0	29	31	2.81	1445	3.15	2734	5.96
09/08/97	1142	CY46	472	850	739	2115	3		23	36	4.48	1651	3.50	3766	7.98
09/08/97	1507	CY47	633	873	647	2300	8		21	53	3.63	1602	2.53	3902	6.16
09/08/97	4254	CY04	378	714	671	1749	3		15	19	4.63	1422	3.76	3171	8.39
09/08/97	8744	CY50	351	625	796	1537	4		10	43	4.38	1478	4.21	3015	8.59
09/09/97	0830	CY63	459	424	902	761	6		8		1.66	1340	2.92	2101	4.58
09/09/97	1142	CY46	472	986	869	1697	2	460	18	22	3.60	2357	4.99	4054	8.59
09/09/97	4254	CY04	378	593	749	967	0	185	4	9	2.56	1540	4.07	2507	6.63
09/09/97	8744	CY50	351	867	375	1347	2	349	6	27	3.84	1626	4.63	2973	8.47
09/10/97	0830	CY63	459	699	730	651	1	0	9	17	1.42	1456	3.17	2107	4.59
09/10/97	1142	CY46	472	1040	806	1425	8		5	35	3.02	1894	4.01	3319	7.03
09/10/97	1507	CY47	633	467	681	1251	13		19	34	1.98	1214	1.92	2465	3.89
09/10/97	4254	CY04	378	373	442	1844	0	184	14	17	4.88	1030	2.72	2874	7.60
09/10/97	8744	CY50	351	904	1058	1125	4		4	17	3.21	1987	5.66	3112	8.87
09/11/97	0824	CY63	383	257	498	375	1		8	22	0.98	786	2.05	1161	3.03
09/11/97	1142	CY46	472	566	559	1922	1	0	10	142	4.07	1278	2.71	3200	6.78
09/11/97	1507	CY47	633	877	818	1438	4	0	8	3	2.27	1710	2.70	3148	4.97
09/11/97	4254	CY04	378	935	598	1453	2	0	9	9	3.84	1553	4.11	3006	7.95
09/11/97	8744	CY50	351	1056	913	1699	3		5	5	4.84	1982	5.65	3681	10.49
09/12/97	0824	CY63	383	241	803	562	5		11	12	1.47	1072	2.80	1634	4.27
09/12/97	1142	CY46	472	358	990	1432	2	0	9	18	3.03	1377	2.92	2809	5.95
09/12/97	4254	CY04	378	470	587	1594	2	0	3	3	4.22	1065	2.82	2659	7.03
09/12/97	8744	CY50	351	975	821	1195	2		9	5	3.40	1812	5.16	3007	8.57
09/13/97	0824	CY63	383	328	935	454			3	8	1.19	1274	3.33	1728	4.51
09/13/97	1142	CY46	472	465	335	1586	2	0	16	27	3.36	845	1.79	2431	5.15
09/13/97	1507	CY47	633	290	921	1754	4		14	16	2.77	1245	1.97	2999	4.74
09/13/97	4254	CY04	378	513	510	1820	9	0	5	7	4.81	1044	2.76	2864	7.58
09/13/97	8744	CY50	351	1016	372	1154	4		10	5	3.29	1407	4.01	2561	7.30

Date	Time	Code													
09/15/97	0820	CY63	315	623	437	976	1	0	11	14	3.10	1086	3.45	2062	6.55
09/15/97	1142	CY46	472	1525	1083	1929	1		36	32	4.09	2677	5.67	4606	9.76
09/15/97	8744	CY50	351	374	793	1528	2		6	44	4.35	1219	3.47	2747	7.83
09/16/97	0820	CY63	315	727	328	502	1	271	9	21	1.59	1357	4.31	1859	5.90
09/16/97	1142	CY46	472	774	1749	1071	0	459	11	54	2.27	3047	6.46	4118	8.72
09/16/97	8744	CY50	351	876	536	1396	2		4	13	3.98	1431	4.08	2827	8.05
09/17/97	0820	CY63	315	304	339	699	1	0	8	8	2.22	660	2.10	1359	4.31
09/17/97	1142	CY46	472	722	1721	1260	0		17	43	2.67	2503	5.30	3763	7.97
09/17/97	8744	CY50	351	1478	506	1359	5	349	6	31	3.87	2375	6.77	3734	10.64
09/18/97	0811	CY63	354	336	372	501	3		19	9	1.42	739	2.09	1240	3.50
09/18/97	1142	CY46	472	786	766	1406	3	0	13	30	2.98	1598	3.39	3004	6.36
09/18/97	8744	CY50	351	775	816	805	2		2	32	2.29	1627	4.64	2432	6.93
09/19/97	0811	CY63	354	469	528	601	5		9	1	1.70	1012	2.86	1613	4.56
09/19/97	1142	CY46	472	446	443	1343	2		11	21	2.85	923	1.96	2266	4.80
09/19/97	8744	CY50	351	685	517	1237	2		9	16	3.52	1229	3.50	2466	7.03
09/20/97	0811	CY63	248	519	561	578	3		1	1	2.33	1085	4.38	1663	6.71
09/20/97	1142	CY46	472	321	942	1837	1	0	14	22	3.89	1300	2.75	3137	6.65
09/20/97	8744	CY50	351	431	1139	1481	4		12	11	4.22	1597	4.55	3078	8.77
10/07/97	4945	CY04	471	588	551	991	6	281	33	28	2.10	1487	3.16	2478	5.26
10/08/97	4931	CY04	624	369	419	990	4	341	4	8	1.59	1145	1.83	2135	3.42
10/09/97	4940	CY04	349	411	538	1395	0	0	9	15	4.00	973	2.79	2368	6.79
10/10/97	4908	CY04	165	867	1111	1739	4	0	4	17	10.54	2003	12.14	3742	22.68
10/15/97	4912	CY04	495	677	1072	669	3	225	12	15	1.35	2004	4.05	2673	5.40
10/16/97	4944	CY04	651	799	1401	814	6	264	10	10	1.25	2490	3.82	3304	5.08
10/20/97	4920	CY04	409	805	786	2166	4		13	33	5.30	1641	4.01	3807	9.31
10/20/97	8705	CY50	377	1014	1043	1243	2		4	39	3.30	2102	5.58	3345	8.87
10/21/97	4917	CY04	383	509	792	1183	1	383	7	28	3.09	1720	4.49	2903	7.58
10/21/97	8714	CY50	459	906	1062	1722	3	429	8	56	3.75	2464	5.37	4186	9.12
10/22/97	4909	CY04	544	214	472	847	1	222	11	6	1.56	926	1.70	1773	3.26
10/22/97	4916	CY04	299	608	586	983	3	132	15	34	3.29	1378	4.61	2361	7.90
10/22/97	8703	CY50	701	1154	1162	1355	4	589	5	14	1.93	2928	4.18	4283	6.11
10/23/97	4910	CY04	269	1257	1067	2524	19		6	23	9.38	2372	8.82	4896	18.20
10/23/97	4926	CY04	565	322	326	1341	5	0	13	11	2.37	677	1.20	2018	3.57
10/23/97	8726	CY50	575	874	760	1458	7		7	11	2.54	1659	2.89	3117	5.42
10/24/97	4915	CY04	391	743	1519	1493	15	0	8	13	3.82	2298	5.88	3791	9.70
10/24/97	8736	CY50	560	449	575	1345	3	0	9	24	2.40	1060	1.89	2405	4.29
10/25/97	4906	CY04	324	1088	1177	1263	4	0	8	25	3.90	2302	7.10	3565	11.00
10/25/97	8702	CY50	588	558	778	2396	3	0	8	17	4.07	1364	2.32	3760	6.39
10/27/97	2201	CY53	400	437	2117	0	1	111		18	0.00	2684	6.71	2684	6.71
10/27/97	8727	CY50	391	461	660	2036	2	378	18	44	5.21	1563	4.00	3599	9.20
10/28/97	2202	CY53	427	749	1391	0	2	196		35	0.00	2373	5.56	2373	5.56
10/28/97	8748	CY50	483	1244	1039	760	8	443	9	42	1.57	2785	5.77	3545	7.34
10/29/97	2203	CY53	449	806	1196	0	3		1	14	0.00	2020	4.50	2020	4.50
10/29/97	8770	CY50	466	362	514	613	0	79	0	7	1.32	962	2.06	1575	3.38
10/30/97	2206	CY53	427	901	1607	0	1			20	0.00	2529	5.92	2529	5.92
10/30/97	8747	CY50	567	696	409	1132	10	0	8	17	2.00	1140	2.01	2272	4.01
10/31/97	2207	CY53	394	867	1798	0	5		1	10	0.00	2681	6.80	2681	6.80
10/31/97	8729	CY50	542	490	888	1299	2		20	19	2.40	1419	2.62	2718	5.01
11/01/97	2211	CY53	489	349	1534	0	3			17	0.00	1903	3.89	1903	3.89

Date		Code													
11/01/97	8711	CY50	394	1143	824	1458	2	0	7	9	3.70	1985	5.04	3443	8.74
11/03/97	2205	CY53	365	589	1616	0		150		20	0.00	2375	6.51	2375	6.51
11/04/97	2212	CY53	334	745	1420	0	2	148		10	0.00	2325	6.96	2325	6.96
11/04/97	8756	CY50	700	757	792	1111	8	1150	10	28	1.59	2745	3.92	3856	5.51
11/05/97	2210	CY53	494	993	1469	0	3			17	0.00	2482	5.02	2482	5.02
11/05/97	8717	CY50	579	1044	476	900	4		12	19	1.55	1555	2.69	2455	4.24
11/06/97	2213	CY53	451	420	1366	0	3			25	0.00	1814	4.02	1814	4.02
11/06/97	8744	CY50	355	1295	694	1123	1	0	6	10	3.16	2006	5.65	3129	8.81
11/07/97	2214	CY53	603	635	1863	0	4		2	35	0.00	2539	4.21	2539	4.21
11/07/97	8735	CY50	440	1138	1354	1383	3	0	7	16	3.14	2518	5.72	3901	8.87
11/08/97	2215	CY53	532	616	1977	0	3			31	0.00	2627	4.94	2627	4.94
11/08/97	8701	CY50	324	2194	1380	1215	2	188	7	3	3.75	3774	11.65	4989	15.40
11/10/97	2216	CY53	476	685	1452		0	238	0	14	0.00	2389	5.02	2389	5.02
11/10/97	8759	CY50	768	631	425	658	1	0	11	45	0.86	1113	1.45	1771	2.31
11/12/97	0823	CY63	539	705	1195	0	11	0	15	21	0.00	1947	3.61	1947	3.61
11/12/97	2219	CY53	406	715	2063	0	4	154	0	14	0.00	2950	7.27	2950	7.27
11/12/97	8702	CY50	588	417	1427	1016	2	588	14	49	1.73	2497	4.25	3513	5.97
11/13/97	0821	CY63	275	783	1401	363	5		7	7	1.32	2203	8.01	2566	9.33
11/13/97	2221	CY53	449	558	1847	0	3			11	0.00	2419	5.39	2419	5.39
11/14/97	0803	CY63	195	1144	953	937	3		7	7	4.81	2114	10.84	3051	15.65
11/14/97	2224	CY53	356	725	1426	0	1			13	0.00	2165	6.08	2165	6.08
11/15/97	0806	CY63	459	775	950	904	0		22	10	1.97	1757	3.83	2661	5.80
11/15/97	2225	CY53	370	733	1394	0	1			12	0.00	2140	5.78	2140	5.78
11/17/97	0832	CY63	378	0	3471	708	10	0	20	58	1.87	3559	9.42	4267	11.29
11/18/97	0817	CY63	284	111	286	639	0	0	15	7	2.25	419	1.48	1058	3.73
11/19/97	0815	CY63	368	482	307	582	1	368	12	9	1.58	1179	3.20	1761	4.79
11/20/97	0816	CY63	209	717	370	615	1	0	5	2	2.94	1095	5.24	1710	8.18
11/21/97	0809	CY63	311	540	431	804	1		21	8	2.59	1001	3.22	1805	5.80
11/22/97	0808	CY63	348	235	629	877	2	0	11	7	2.52	884	2.54	1761	5.06
11/24/97	0801	CY63	200	1103	447	1297	1	0	38	17	6.49	1606	8.03	2903	14.52
11/24/97	0802	CY63	252	495	607	1326			21	2	5.26	1125	4.46	2451	9.73
11/24/97	4945	CY04	401	595	963	1389	5	0	20	59	3.46	1642	4.09	3031	7.56
11/25/97	0819	CY63	332	856	927	852	4	0	30	6	2.57	1823	5.49	2675	8.06
11/25/97	4931	CY04	402	493	923	1591	1	0	9	14	3.96	1440	3.58	3031	7.54
12/09/97	4909	CY04	629	401	980	783	3	23	14	16	1.24	1437	2.28	2220	3.53
12/12/97	4920	CY04	453	647	1737	2424	4		15	28	5.35	2431	5.37	4855	10.72
12/13/97	4926	CY04	663	519	1156	2394	6		4	49	3.61	1734	2.62	4128	6.23
12/15/97	4940	CY04	516	831	1976	3882			25	38	7.52	2870	5.56	6752	13.09
12/16/97	4944	CY04	691	258	1363	1301	1	428	4	21	1.88	2075	3.00	3376	4.89
12/17/97	4906	CY04	427	891	1131	1751	6		28	39	4.10	2095	4.91	3846	9.01
12/18/97	4908	CY04	215	698	1111	1335	6		4	40	6.21	1859	8.65	3194	14.86
12/19/97	4910	CY04	261	462	2410	639	7	0	12	30	2.45	2921	11.19	3560	13.64
12/20/97	4915	CY04	511	349	1440	1418	8	0	36	4	2.77	1837	3.59	3255	6.37
01/14/98	4906	CY04	427	611	791	1521	9		17	11	3.56	1439	3.37	2960	6.93
01/15/98	4908	CY04	215	1026	1360	2254	14		19	26	10.48	2445	11.37	4699	21.86
01/17/98	4909	CY04	629	261	695	1428	2		5	16	2.27	979	1.56	2407	3.83
01/20/98	4931	CY04	434	362	469	2399	2		17	44	5.53	894	2.06	3293	7.59
01/21/98	4917	CY04	466	1727	1095	1532	4	442	12		3.29	3280	7.04	4812	10.33
01/22/98	4926	CY04	663	44	894	1938	2	0	13	20	2.92	973	1.47	2911	4.39

Date	ID	Type													
01/23/98	4915	CY04	511	824	1254	1124	6	0	7	18	2.20	2109	4.13	3233	6.33
01/24/98	4920	CY04	453	811	609	2316	1	-0	12	9	5.11	1442	3.18	3758	8.30
01/26/98	4233	CY04	425	625	1012	1296	2	0	4	33	3.05	1676	3.94	2972	6.99
01/26/98	4920	CY04	453	783	1515	1466	4	0	27	4	3.24	2333	5.15	3799	8.39
01/27/98	4285	CY04	418	310	451	812	0	413	5	8	1.94	1187	2.84	1999	4.78
01/27/98	4945	CY04	401	195	415	778	6	269	4	2	1.94	891	2.22	1669	4.16
01/28/98	4238	CY04	231	757	1657	928	5	0	11	14	4.02	2444	10.58	3372	14.60
01/28/98	4910	CY04	261	1146	1756	748	12	117	21	31	2.87	3083	11.81	3831	14.68
01/29/98	4214	CY04	213	1116	1792	1077	11		2	56	5.06	2977	13.98	4054	19.03
01/29/98	4944	CY04	688	253	791	926	5	0	8	21	1.35	1078	1.57	2004	2.91
01/30/98	4235	CY04	198	800	1023	900	8	0	11	10	4.55	1852	9.35	2752	13.90
01/30/98	4999	CY04	153	451	224	894	2	0	3	5	5.84	685	4.48	1579	10.32
01/31/98	4241	CY04	293	370	1313	744	1	0	6	10	2.54	1700	5.80	2444	8.34
01/31/98	4920	CY04	453	377	1313	1376	4	0	8	8	3.04	1710	3.77	3086	6.81
02/02/98	4249	CY04	250	429	750	1299	0	0	7	14	5.20	1200	4.80	2499	10.00
02/02/98	4940	CY04	516	1644	1655	2714	4	0	16	58	5.26	3377	6.54	6091	11.80
02/03/98	4219	CY04	288	1334	671	1100	3	80	8	11	3.82	2107	7.32	3207	11.14
02/03/98	4909	CY04	629	244	456	694	4	264	1	19	1.10	988	1.57	1682	2.67
02/04/98	4242	CY04	330	475	757	431	3	80	8	5	1.31	1328	4.02	1759	5.33
02/04/98	4910	CY04	261	1499	1754	1579	23		34	8	6.05	3318	12.71	4897	18.76
02/05/98	4229	CY04	437	291	473	932	0	0	8	28	2.13	800	1.83	1732	3.96
02/05/98	4237	CY04	298	198	893	722	3	0	0	16	2.42	1110	3.72	1832	6.15
02/05/98	4908	CY04	215	1195	1033	1247	3	0	7	21	5.80	2259	10.51	3506	16.31
02/06/98	4213	CY04	160	470	1122	590	18	0	13	17	3.69	1640	10.25	2230	13.94
02/06/98	4917	CY04	466	1155	1180	2146	2	0	8	0	4.61	2345	5.03	4491	9.64
02/07/98	4230	CY04	285	573	1504	295	2	0	5	16	1.04	2100	7.37	2395	8.40
02/09/98	4221	CY04	336	857	748	1610	2	0	21	46	4.79	1674	4.98	3284	9.77
02/10/98	4207	CY04	243	1314	889	688	2	110	11	15	2.83	2341	9.63	3029	12.47
02/11/98	4222	CY04	272	716	562	1021	1	66	16	6	3.75	1367	5.03	2388	8.78
02/12/98	4228	CY04	299	1434	1468	1665	1	0	6	17	5.57	2926	9.79	4591	15.35
02/18/98	4232	CY04	375	934	928	1210	5	134	8	20	3.23	2029	5.41	3239	8.64
02/20/98	4218	CY04	710	416	1258	264	6	0	9	6	0.37	1695	2.39	1959	2.76
02/21/98	4254	CY04	242	777	1759	1492	0	0	15	11	6.17	2562	10.59	4054	16.75
02/23/98	4225	CY04	370	813	730	1965	4	0	6	46	5.31	1599	4.32	3564	9.63
02/24/98	4248	CY04	385	405	1422	602	4	280	1	11	1.56	2123	5.51	2725	7.08
02/27/98	4224	CY04	306	618	1214	1239	12	0	8	28	4.05	1880	6.14	3119	10.19
03/02/98	4225	CY04	370	1393	660	2209	0	0	6	34	5.97	2093	5.66	4302	11.63
03/04/98	4236	CY04	261	522	841	1447	2	0	5	15	5.54	1385	5.31	2832	10.85
03/09/98	4257	CY04	285	1251	2299	1780	9	0	33	19	6.25	3611	12.67	5391	18.92
03/10/98	4258	CY04	422	615	716	670	3	240	5	15	1.59	1594	3.78	2264	5.36
03/11/98	4259	CY04	236	968	1069	1052	4	58	2	11	4.46	2112	8.95	3164	13.41
03/11/98	4262	CY04	281	1057	1062	1131	3	68	11	25	4.02	2226	7.92	3357	11.95
03/12/98	4211	CY04	251	7	121	0	0	0	0	0	0.00	128	0.51	128	0.51
03/12/98	4265	CY04	290	313	1225	1038	6	0	4	15	3.58	1563	5.39	2601	8.97
03/12/98	4917	CY04	466	0	0	0	0	0	1	0	0.00	1	0.00	1	0.00
04/22/98	4211	CY04	251	526	461	533	2	0	9	11	2.12	1009	4.02	1542	6.14
04/23/98	4272	CY04	138	160	120	482	0		6	1	3.49	287	2.08	769	5.57
ADVO/USPS-T13-61 (d)			483.4	555.3	759.0	1038.5	3.5	72.6	9.9	15.0	2.15	1415.40	2.93	2453.94	5.08

Date	Route	UnitCode	Delivery Points	Letters	Flats	ADVO/USPS-T13-61 (c1) DPS	Accountable	DALs	Parcels	SPRs	ADVO/USPS-T13-61 (c1) Ave DPS/Del	ADVO/USPS-T13-61 (c2) Non-DPS Total	ADVO/USPS-T13-61 (c2) Ave non-DPS/Del	ADVO/USPS-T13-61 (c3) Total	ADVO/USPS-T13-61 (c3) Ave Total/Del
12/03/96	3125	CY34	736	161	799	0	2	0	1	0	0.00	963	1.31	963	1.31
12/04/96	0326	CY36	248	658	990	0	0	0	9	0	0.00	1657	6.68	1657	6.68
12/04/96	3104	CY34	1094	136	515	0	0	0	0	13	0.00	664	0.61	664	0.61
12/04/96	3522	CY32	284	350	450	400	0	0	0	0	1.41	800	2.82	1200	4.23
12/05/96	0480	CY36	584	691	620	1381	0	0	0	0	2.36	1311	2.24	2692	4.61
12/05/96	3141	CY34	715	245	1099	0	2	0	5	0	0.00	1351	1.89	1351	1.89
12/05/96	3507	CY32	279	550	450	400	0	0	0	0	1.43	1000	3.58	1400	5.02
12/06/96	0310	CY36	545	418	1350	666	0	0	21	0	1.22	1789	3.28	2455	4.50
12/06/96	3543	CY32	226	395	558	795	0	0	7	0	3.52	960	4.25	1755	7.77
12/09/96	0211	CY37	399	1584	396	0	0	0	60	0	0.00	2040	5.11	2040	5.11
12/09/96	1842	CY33	519	140	308	0	0	0	39	0	0.00	487	0.94	487	0.94
12/09/96	6742	CY35	360	866	592	2336	2	0	50	0	6.49	1510	4.19	3846	10.68
12/10/96	0321	CY37	532	566	931	0	0	0	23	0	0.00	1520	2.86	1520	2.86
12/10/96	1612	CY33	234	503	251	0	1	0	4	0	0.00	759	3.24	759	3.24
12/10/96	6703	CY35	558	1125	961	1120	0	0	65	0	2.01	2151	3.85	3271	5.86
12/11/96	0134	CY37	455	502	1369	0	0	0	31	0	0.00	1902	4.18	1902	4.18
12/11/96	1618	CY33	306	400	500	1007	1	0	7	0	3.29	908	2.97	1915	6.26
12/11/96	6739	CY35	530	1083	447	1237	0	0	45	0	2.33	1575	2.97	2812	5.31
12/13/96	8008	CY38	337	203	559	0	0	0	16	0	0.00	778	2.31	778	2.31
12/13/96	8404	CY40	512	780	164	660	0	0	28	0	1.29	972	1.90	1632	3.19
12/14/96	0908	CY39	633	206	1443	0	0	0	0	0	0.00	1649	2.61	1649	2.61
12/14/96	8405	CY40	480	617	930	669	0	0	33	0	1.39	1580	3.29	2249	4.69
12/16/96	1205	CY39	421	322	881	288	0	0	0	0	0.68	1203	2.86	1491	3.54
12/16/96	8229	CY38	341	113	99	0	0	0	0	0	0.00	212	0.62	212	0.62
12/16/96	8408	CY40	398	934	1198	1305	7	0	43	0	3.28	2182	5.48	3487	8.76
12/17/96	1206	CY39	830	434	1503	0	1	837	12	4	0.00	2791	3.36	2791	3.36
12/17/96	8044	CY38	396	150	486	0	1	0	16	0	0.00	653	1.65	653	1.65
05/19/97	0411	CY54	432	876	801	1354	4	0	8	10	3.13	1699	3.93	3053	7.07
05/20/97	0411	CY54	432	303	494	594	0	105	0	6	1.38	908	2.10	1502	3.48
05/21/97	0411	CY54	432	310	524	822	0	125	4	4	1.90	967	2.24	1789	4.14
05/22/97	0424	CY54	581	593	615	939	4		3	6	1.62	1221	2.10	2160	3.72
05/23/97	0424	CY54	581	571	993	1011	4		9	2	1.74	1579	2.72	2590	4.46
05/24/97	0424	CY54	581	553	785	1008	3	0	4	3	1.73	1348	2.32	2356	4.06
05/27/97	0432	CY54	639	516	506	1182	4	0	6	41	1.85	1073	1.68	2255	3.53
05/28/97	0432	CY54	639	356	456	669	2	131		6	1.05	951	1.49	1620	2.54
05/29/97	0474	CY54	631		743	455	2	285	12	4	0.72	1046	1.66	1501	2.38
05/30/97	0474	CY54	631	286	715	634	2	90	8	0	1.00	1101	1.74	1735	2.75
05/31/97	0474	CY54	631	350	624	685	3		9	1	1.09	987	1.56	1672	2.65
11/12/97	0129	CY66	471	955	557	1037	2	0	13	20	2.20	1547	3.28	2584	5.49
11/13/97	0106	CY66	404	407	630	673	10	0	12		1.67	1059	2.62	1732	4.29
11/14/97	0130	CY66	480	595	501	550	6	0	9	24	1.15	1135	2.36	1685	3.51
11/15/97	0131	CY66	318	320	295	642	0	0	3	15	2.02	633	1.99	1275	4.01
12/11/97	0242	CY66	477	189	1124	846	14	0	12	38	1.77	1377	2.89	2223	4.66
12/13/97	0251	CY66	711	139	514	934	6	0	9	20	1.31	688	0.97	1622	2.28
12/15/97	0249	CY66	618	856	1186	2453	6		64	48	3.97	2160	3.50	4613	7.46

12/16/97	0244	CY66	800	357	1009	896	2		25	30	1.12	1423	1.78	2319	2.90
12/16/97	0370	CY66	736	302	994	1074	4		44	19	1.46	1363	1.85	2437	3.31
12/17/97	0374	CY66	738	185	1133	1210	4		26	13	1.64	1361	1.84	2571	3.48
12/17/97	0382	CY66	620	250	771	1179	10		36	36	1.90	1103	1.78	2282	3.68
12/18/97	0377	CY66	954	255	1098	1341	2		26	22	1.41	1403	1.47	2744	2.88
12/18/97	0384	CY66	826	338	1309	2223	8	0	26	31	2.69	1712	2.07	3935	4.76
12/19/97	0255	CY66	652	279	823	1423	1		31	35	2.18	1169	1.79	2592	3.98
12/19/97	0257	CY66	723	244	902	940	9	0	20	17	1.30	1192	1.65	2132	2.95
12/20/97	0114	CY66	649	168	926	951	7		15	22	1.47	1138	1.75	2089	3.22
12/20/97	0115	CY66	589	213	687	1001	2		19	3	1.70	924	1.57	1925	3.27
12/29/97	0106	CY66	650	525	826	538	10		12	34	0.83	1407	2.16	1945	2.99
12/30/97	0111	CY66	785	820	446	842	2		2	27	1.07	1297	1.65	2139	2.72
01/02/98	0116	CY66	535	913	1319	1657	6	0	21	36	3.10	2295	4.29	3952	7.39
01/02/98	0373	CY66	927	506	648	2274	5		12	66	2.45	1237	1.33	3511	3.79
01/03/98	0246	CY66	602	581	615	851	0	0	5	12	1.41	1213	2.01	2064	3.43
01/05/98	0245	CY66	650	569	671	1423	3	0	6	24	2.19	1273	1.96	2696	4.15
01/05/98	0247	CY66	870	611	616	1684	11	0	14	47	1.94	1299	1.49	2983	3.43
01/06/98	0252	CY66	674	363	525	581	3	0	5	11	0.86	907	1.35	1488	2.21
01/06/98	0375	CY66	845	491	596	753	1		9	9	0.89	1106	1.31	1859	2.20
01/07/98	0124	CY66	692	486	724	983	3		11	17	1.42	1241	1.79	2224	3.21
01/08/98	0112	CY66	650	118	415	673	22	0	5	14	1.04	574	0.88	1247	1.92
01/08/98	0126	CY66	574	359	494	721	6	0	0	5	1.26	864	1.51	1585	2.76
01/09/98	0119	CY66	542	784	870	1917	10		5	18	3.54	1687	3.11	3604	6.65
01/09/98	0244	CY66	800	244	944	1042	20		9	5	1.30	1222	1.53	2264	2.83
01/09/98	0376	CY66	550	183	513	487	10	0	7	8	0.89	721	1.31	1208	2.20
01/10/98	0117	CY66	650	1314	738	1139	0	0	18	54	1.75	2124	3.27	3263	5.02
01/10/98	0248	CY66	763	589	853	1184	2	0	16	15	1.55	1475	1.93	2659	3.48
01/10/98	0378	CY66	780	339	897	1038	5	0	2	16	1.33	1259	1.61	2297	2.94
01/12/98	0102	CY66	554	168	530	974	5		13	20	1.76	736	1.33	1710	3.09
01/12/98	0254	CY66	683	692	932	1478	1	0	19	24	2.16	1668	2.44	3146	4.61
01/12/98	0379	CY66	854	191	1178	595	3			33	0.70	1405	1.65	2000	2.34
01/13/98	0101	CY66	517	923	994	599	10		9	16	1.16	1952	3.78	2551	4.93
01/13/98	0120	CY66	558	380	1011	868	4	0	2	24	1.56	1421	2.55	2289	4.10
01/13/98	0281	CY66	706	875	919	649	3	0	17	23	0.92	1837	2.60	2486	3.52
01/14/98	0123	CY66	597	251	825	1232	12	0	6	6	2.06	1100	1.84	2332	3.91
01/14/98	0256	CY66	899	252	533	1329	19	0	12	14	1.48	830	0.92	2159	2.40
01/20/98	0110	CY66	661	195	1882	1579	3	0	1	32	2.39	2113	3.20	3692	5.59
01/20/98	0380	CY66	905	763	1382	3852	10	0	61	86	4.26	2302	2.54	6154	6.80
01/20/98	0383	CY66	896	637	1085	2727	5	0	9	95	3.04	1831	2.04	4558	5.09
01/21/98	0103	CY66	378	888	1980	619	11	0	0	12	1.64	2891	7.65	3510	9.29
01/21/98	0107	CY66	529	553	819	788	6		8	21	1.49	1407	2.66	2195	4.15
01/21/98	0128	CY66	787	303	1337	1905	1	0	15	36	2.42	1692	2.15	3597	4.57
01/22/98	0254	CY66	683	433	821	1392	4	0	19	30	2.04	1307	1.91	2699	3.95
01/22/98	0372	CY66	803	161	934	1611	1		6	15	2.01	1117	1.39	2728	3.40
01/28/98	0105	CY66	628	460	943	749	8	0	12	3	1.19	1426	2.27	2175	3.46
01/28/98	0250	CY66	447	326	115	255	6		3	22	0.57	472	1.06	727	1.63
01/29/98	0240	CY66	439	401	482	1181	3		3	24	2.69	913	2.08	2094	4.77
01/29/98	0253	CY66	803	575	995	1428	4	0	7	42	1.78	1623	2.02	3051	3.80
02/04/98	0241	CY66	814	181	905	434	19		17	28	0.53	1150	1.41	1584	1.95

02/04/98	0371	CY66	958	260	578	899	20		11	2	0.94	871	0.91	1770	1.85
02/05/98	0102	CY66	554	187	502	1087	20	0	13	33	1.96	755	1.36	1842	3.32
02/05/98	0113	CY66	670	370	1158	988	21	0	6	14	1.47	1569	2.34	2557	3.82
02/06/98	0108	CY66	378	377	2453	1581	13		6	20	4.18	2869	7.59	4450	11.77
02/06/98	0110	CY66	661	280	661	0	7		15	6	0.00	969	1.47	969	1.47
02/07/98	0111	CY66	785	274	604	1195	6		7	11	1.52	902	1.15	2097	2.67
02/07/98	0130	CY66	480	322	402	1049	0	0	9	14	2.19	747	1.56	1796	3.74
02/09/98	0104	CY66	339	630	1220	0	20	0	1	47	0.00	1918	5.66	1918	5.66
02/09/98	0116	CY66	535	241	419	1355	4	0	13	37	2.53	714	1.33	2069	3.87
03/19/98	0256	CY66	646	253	363	1150	3	0	12	29	1.78	660	1.02	1810	2.80
03/20/98	0243	CY66	491	437	1048	970	6	0	5	40	1.98	1536	3.13	2506	5.10
ADVO/USPS-T13-61 (d)			601.0	456.5	802.7	926.6	4.9	15.0	13.9	16.9	1.54	1310	2.18	2237	3.72

ADVO/USPS-T13-62. Please refer to your response to MPA/USPS-T13-16, where you provide a list that correlates data collectors with observed routes.

(a) Please confirm that your list identifies a total of 371 routes that were observed.

(b) Please confirm that your list identifies (by observer code number) a total of 52 different data collectors.

(c) Please confirm that 246 of the 371 routes shown on your list, comprising 66% of the total routes, identify a single data collector.

(d) Please confirm that 78 of the 371 routes shown on your list, comprising 21% of the total routes, identify two data collectors.

(e) Please confirm that the remaining 47 of the 371 routes shown on your list, comprising 13% of the total routes, identify three or more data collectors.

If you cannot confirm, please explain why, provide the numbers that you believe to be correct, and show how you derived your numbers. If the information in your response to MPA/USPS-T13-16 is incorrect, please provide a corrected response, both in hard copy and electronic spreadsheet format.

RESPONSE:

(a) Confirmed, the list contains 371 route numbers.

(b) Confirmed, the list contains 52 observer codes.

(c) Confirmed, the list contains 246 route numbers with one observer, comprising 66.3

percent.

(d) Not confirmed, the list contains 80 route numbers with two observers, comprising

21.6 percent.

(e) Not confirmed, the list contains 45 route numbers with three or more observers,

comprising 12.1 percent.

ADVO/USPS-T13-63. The following table attempts to construct information on your site selection and samples, from the sources listed below. Please fill in the missing figures, make any necessary corrections to the figures shown, and reconcile any differences with the data noted below from your testimony:

	Phase 1	Phase 2 New	Phase 2 from Phase 1	Total
Total Observed Sites	40 (i)	21	2	(v)
Random Observed Sites	9 (ii)	2	0	11
USPS Selected Observed Sites	31	19	· 2	42
USPS Selected but Unobserved Sites	?	5 (iv)	?	?
Randomly Selected but Unobserved Sites	(iii)	?	?	?

NOTES: The above figures for Phase 1 are from MPA/USPS-T13-26, and for Phase 2 are from MPA/USPS-T13-33. These figures differ from figures presented in USPS-T-13 in the following respects:

(i) Page 14 of the testimony states 32 total observed sites.

(ii) Footnote 5 on page 8 of the testimony states that Phase 1 one-day studies were performed at 8 of the 10 randomly selected site

(iii) This depends upon whether page 8 of testimony or the Response to MPA/USPS-T13-26 is correct.

(iv) Page 8 of the testimony indicates 5 out of 10 test sites were implemented, MPA/USPS-T13-33 states that there were 2 randomly selected but unobserved sites. What is the split between new and from Phase I?

(v) Page 14 of the testimony shows a total of 53 observed sites (32 Phase 1 plus 22 Phase2 minus 1 observed in both phases). This does not fit with the data given in response to MPA/USPS-T13-26 and 33.

RESPONSE: · ·

(i)   There is no disparity. Page 14 of my testimony does not indicate 32 total

observed sites. Instead, the total number of "locations" presented to witness Baron is

32. In my testimony I state on page 14 "106 routes were observed at 32 different

locations." A location could have more than one "CY" code, or site. The "CY" code

represented a postal unit in most cases.

(ii)   The 8 sites referred to in the footnote was intended to refer to the 8 sites included

in the data used by witness Baron. "CY32" was selected as a random site, but

was not included in the data presented to witness Baron due to data collection

problems.

(iii) Both page 8 of the testimony and the response to MPA/USPS-T13-26 are

correct. "CY54" and "CY66" were selected randomly in Phase 1. These sites

were observed later in Phase 2.

(iv)   Page 8, line 17 of my testimony states ""Ten sites were selected as potential

implementation sites." (Emphasis added). The implementation of engineered

standard test sites is not related to the random selection of the Phase 1 sites for

data *collection*. The site selection for implementation occurred several months

after the completion of Phase 1. In the selection of the Phase 1 ten random sites

the location of "CY66" and "CY54" were chosen. Only many months later did we

study this site and include the data collected as random data selected. "CY04"

was in both Phase 1 and Phase 2 of the data collection and was an

implementation site.

(v)   The total number of "CY" codes is 59 (The 40 sites in Phase 1 plus the 21 sites

in Phase 2 minus the 2 sites in both phases.) Of these, only 53 were provided to

witness Baron.

Six sites were not provided to witness Baron for the following reasons:

The routes studied in "CY21" were partial routes due to the carrier handing work

off to other carriers. On one day the carrier experienced a vehicle breakdown that

resulted in a partial day study.

After investigating the observer comments log, "CY22" was not included in the

data presented to witness Baron due to Union representatives interfering with both the

carrier and observer duties.

"CY32" is not included due a loss of the USPS form 3999X and the observer edit

sheets. The observers mailed the edit sheets the day after the route was observed. In

this location the edit sheets were never received for central processing.

"CY43" and CY44" are not included due to the unusual nature of these sites.

These sites were unusual because a single route had as many as ten carriers casing

and delivering mail on one route.

"CY45" was not included because equipment problems interfered with the data

collection at this site.

	Phase 1	Phase 2 New	Phase 2 from Phase 1	Total
Total Observed Sites	40 (i)	21	2	59 (v)
Random Observed Sites	9 (ii)	2	0	11
USPS Selected Observed Sites	31	19	2	42
USPS Selected but Unobserved Sites	N/A	5 (iv)	N/A	N/A
Randomly Selected but Unobserved Sites	2 (iii)	N/A	N/A	2

ADVO/USPS-T13-64. The following table lists information on your route selection and observation information, from pages 9 and 14 of your testimony. Please fill in the missing figures, make any necessary corrections to the figures shown, and reconcile any differences with both (i) the data noted below from your testimony and (ii) the data in your response to MPA/USPS-T13-16:

	Phase 1	Phase 2	Total
Total Observed Routes	106	234	340
Random Observed Routes	?	62	?
USPS Selected Observed Routes	?	?	?

RESPONSE:

Using the data used by witness Baron, the table should be:

	Phase 1	Phase 2	Total
Total Observed Routes	106	234	340
Random Observed Routes	27	62	89
USPS Selected Observed Routes	79	172	251

ADVO/USPS-T13-65. The following table lists information on your route-day samples and observation information, from pages 9 and 14 of your testimony. Please fill in the missing figures, make any necessary corrections to the figures shown, and reconcile any differences with the data noted below from your testimony:

	Phase 1	Phase 2	Total
Total Route-Days Observed	237	607	844
Days from Random Routes	?	76	100
Days from USPS Selected Routes	?	?	744

RESPONSE:

Using the data used by witness Baron, the table should read:

	Phase 1	Phase 2	Total
Total Route-Days Observed	107	738	845
Days from Random Routes	24	76	100
Days from USPS Selected Routes	83	662	745

Please note that footnote 11 states: "237 route-days of information were collected with one-day studies, 607 route-days were collected through multiple-day studies." These one-day and multiple-day studies occurred in both Phases 1 and 2.

ADVO/USPS-T13-66. When the data in LR I-163 are listed by route-day, there appear

to be 861 route-days, consisting of 845 route-days with dates, plus 16 sets of undated

tallies (44 tallies total) belonging to 16 different routes (each of which was a multiple-day

route). Please provide the following:

(a) A confirmation that there are 16 undated sets of tallies.

(b) A full explanation of what these sets represent and how they occurred.

(c) Identification of which route-days they belong to.

(d) On page 14 of your testimony, you state that there were 844 route-days of street
Information. Please reconcile that figure with the figures listed above.

RESPONSE:

(a) Confirmed, there are 16 sets of undated tallies in the LR I-163.

(b) With respect to the sixteen undated sets, the date information was inadvertently not

included in the data provided to witness Baron. Date information for these sets is

provided in response to (c), below.

(c) The following updated tallies are included in the USPS-LR-I-316.

UnitCode	Route	Job Classification	SiteLocation Code	Date	Time	Personal Code	DeliveryType Code	Delivery StatusCode	Activities Code	Activities DetailCode	File	STS Type
CY04	4234	Regular Carrier	L08	08/25/97	1:22:22 PM	A00	WT02	S04	T02	K01	5	Route/Access (CAT)
CY04	4234	Regular Carrier	L08	08/25/97	2:10:15 PM	A00	WT02	S04	T02	K01	5	Route/Access (CAT)
CY04	4234	Regular Carrier	L08	08/25/97	2:41:15 PM	A00	WT02	S04	T02	K01	5	Route/Access (CAT)
CY04	4234	Regular Carrier	L12	08/25/97	1:16:22 PM	A00	WT02	S04	J08	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	1:28:22 PM	A00	WT02	S04	J12	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	1:34:22 PM	A00	WT02	S04	J08	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	2:16:15 PM	A00	WT02	S04	J08	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	2:22:15 PM	A00	WT02	S04	J08	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	2:29:15 PM	A00	WT02	S04	J08	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	2:35:15 PM	A00	WT02	S04	J08	H06	1	Load Time
CY04	4234	Regular Carrier	L12	08/25/97	2:47:15 PM	A00	WT02	S04	J08	H08	1	Load Time

CY04	4243	PTF Part Time	L12	07/10/97	2:51:02 PM	A00	WT05	S03	F02	H10	1 Load Time
CY04	4254	Regular Carrier	L08	08/26/97	11:30:11 AM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY04	4254	Regular Carrier	L08	08/26/97	11:36:11 AM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY04	4254	Regular Carrier	L08	08/26/97	11:42:11 AM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY04	4254	Regular Carrier	L13	08/26/97	11:01:42 AM	A00	WT03	S04	T02	K10	4 Route/Access (FAT)
CY04	4254	Regular Carrier	L13	08/26/97	11:24:11 AM	A00	WT03	S04	T02	K10	4 Route/Access (FAT)
CY46	1133	Regular Carrier	L13	05/24/97	10:04:56 AM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY47	1475	Regular Carrier	L12	07/22/97	2:10:06 PM	A00	WT05	S04	J08	H13	1 Load Time
CY47	1508	Regular Carrier	L08	06/25/97	3:58:28 PM	A00	WT05	S04	T04	K01	2 Street Support Time
CY47	1508	Utility Carrier	L08	06/23/97	2:22:14 PM	A00	WT05	S04	T02	K01	3 Driving Time
CY50	8717	Regular Carrier	L08	05/16/97	3:54:00 PM	A00	WT02	S04	T04	K01	2 Street Support Time
CY50	8717	Regular Carrier	L08	05/16/97	4:00:00 PM	A00	WT02	S04	T04	K01	2 Street Support Time
CY50	8717	Regular Carrier	L08	05/17/97	3:00:59 PM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY50	8717	Regular Carrier	L08	05/17/97	3:03:00 PM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY50	8717	Regular Carrier	L08	05/17/97	3:23:00 PM	A00	WT02	S04	T04	K01	2 Street Support Time
CY50	8717	Regular Carrier	L14	05/16/97	3:48:00 PM	A02	WT02	S00	T00	H00	2 Street Support Time
CY50	8717	Regular Carrier	L14	05/17/97	3:11:00 PM	A02	WT02	S00	T00	H00	2 Street Support Time
CY50	8717	Regular Carrier	L14	05/17/97	3:17:00 PM	A02	WT02	S00	T00	H00	2 Street Support Time
CY50	8735	Regular Carrier	L08	07/11/97	11:43:43 AM	A00	WT02	S04	T02	K01	5 Route/Access (CAT)
CY50	8735	Regular Carrier	L14	07/10/97	2:14:12 PM	A02	WT03	S00	T00	H00	2 Street Support Time
CY55	1606	Temp Emp	L08	06/13/97	10:08:15 AM	A00	WT03	S02	T02	K01	3 Driving Time
CY57	3707	Regular Carrier	L07	07/08/97	9:21:31 AM	A00	WT03	S04	J09	K01	2 Street Support Time
CY57	3707	Regular Carrier	L13	07/09/97	11:48:50 AM	A00	WT03	S04	T02	K10	4 Route/Access (FAT)
CY57	3716	Regular Carrier	L12	07/01/97	11:56:45 AM	A00	WT05	S03	J08	H12	1 Load Time
CY57	3716	Regular Carrier	L13	07/01/97	12:21:01 PM	A00	WT05	S04	T02	K10	4 Route/Access (FAT)
CY57	3716	Regular Carrier	L13	07/01/97	12:34:04 PM	A00	WT03	S04	J08	H09	1 Load Time
CY58	8212	Regular Carrier	L08	07/15/97	1:59:00 PM	A00	WT03	S04	J11	K01	2 Street Support Time
CY58	8218	Regular Carrier	L08	07/22/97	11:08:01 AM	A00	WT05	S03	J11	K01	2 Street Support Time
CY58	8218	Regular Carrier	L12	07/21/97	12:05:02 PM	A00	WT05	S03	J08	H12	1 Load Time
CY59	0320	Regular Carrier	L08	07/28/97	11:25:32 AM	A00	WT03	S04	J11	K01	2 Street Support Time
CY64	1401	Regular Carrier	L08	08/12/97	10:10:18 AM	A00	WT03	S04	J11	K01	2 Street Support Time
CY64	1401	Regular Carrier	L12	08/12/97	9:09:00 AM	A00	WT03	S01	J08	H10	1 Load Time
CY64	1457	Regular Carrier	L08	08/19/97	2:46:03 PM	A00	WT02	S00	T04	K01	2 Street Support Time

(d) There are a total of 845 route-days in the USPS-LR-I-163. See my response to

interrogatory ADVO/USPS-T13-66.

ADVO/USPS-T13-67. On Page 22 of your testimony you show sixteen Level 11.1 (Outside Personal or Administrative) barcodes. On page 25, however, you indicate four Personal or Administrative codes (N/A, Personal, Break, Union). In the data in LR I-163, there are seven Level 11.1 codes used (Forms, N/A, Other-Specify, Subject Break, Subject Personal, Supervisor Instruction, and Union).

(a) Please confirm that the tallies in LR I-163 were all taken during times when the carrier was compensated (as opposed to personal, uncompensated time).

(b) There is a Level 11.1 for a lunch break (A03) but this code is not found in the database. How did you identify the time period over which the carrier took lunch?

(c) Please explain how lunch breaks can be identified in the LR I-163 data. If there are tallies indicating lunch, please provide them for each route-day.

(d) The lunch break is not compensated, how much time is permitted for that break? If it varies, please explain.

(e) There are tallies for Break and Personal time. How much time is permitted for those requirements? If it varies, please explain. Are there uncompensated Break or Personal times permitted while the carrier is out of office?

(f) If there are uncompensated Break or Personal times, please explain how you identify those time periods. If there are tallies indicating uncompensated Break or Personal time, please provide them for each route-day.

(g) If there are uncompensated Break or Personal times, please explain how you identify those time periods. If there are tallies indicating uncompensated Break and Personal time, please provide them for each route-day.

RESPONSE:

(a) To my knowledge, the "Break and Personal" times that occur in the LR I-163

database table are on compensated time.

(b) The observer would scan the A03 code to indicate "lunch break". This information

was not requested by witness Baron because it was uncompensated time. The

carrier in many cases informed the observer that the carrier was going to lunch.

(c) Lunch breaks are not included in the LR I-163 data. Approximately 3950 tallies in which "A03" lunch break were recorded are included in LR I-316, to be filed shortly.

(d) The "official" time the USPS allows for lunch is 30 minutes. The carrier has many options regarding lunch, such as places to eat and time of day. In many cases the carrier can vary the time of day and duration of the lunch break.

(e) The carrier is allotted two 10-minute breaks per day. The breaks can occur at the carrier's discretion. The breaks can occur on office time or on street time. In many cases the carrier would inform the observer that he was going to take a break. The lunch break is the only uncompensated break.

(f) I am not aware of any uncompensated breaks other than the lunch break.

(g) I am not aware of any uncompensated Break or Personal time other than the lunch break. Please refer to USPS-LR-316.

RESPONSE OF UNITED STATES POSTAL SERVICE WITNESS RAYMOND
TO INTERROGATORIES OF ADVO, INC.

ADVO/USPS-T13-68. With respect to total compensated carrier time:

(a) Please explain fully how to identify, from the LR-163 database, the total compensated carrier time spent out-of-office for each route-day. If that information is not in the database contained in LR-163, please provide those times for each observed route-day, in both hard copy and electronic spreadsheet format.

(b) Please provide the total compensated carrier time spent in-office for each observed route-day, in both hard copy and electronic spreadsheet format.

RESPONSE:

(a-b) I understand "compensated time" to be the clock rings and payroll records of the

USPS. The observers did not systematically collect "compensated time" measures

during Phases 1 or 2 of the study.

ADVO/USPS-T13-70. Comparing Delivery Type Status (Level 11.3) to Activity Detail
(Level 11.4.1), please explain:

    (a) Why there are some Residential Inside Delivery Type Status tallies with
        Central Outside or Gang Box Activity Details.

    (b) Why there are some Residential Outside Delivery Type Status tallies with
        Central Inside Details.

    (c) Why there are some Business Outside Delivery Type Status tallies with
        Central Inside Details.

RESPONSE:

(a) The level 11.3 "Delivery Detail Status" is intended to represent the weather

conditions the carrier faces while delivering the mail. There are many mailboxes of

the 11.4.1 "Activity Detail" that are located out of the weather. There is 1 tally of a

level 11.4.1 "gang box" located on a level 11.3 "residential inside" delivery type

status. In this case a series of boxes were located inside a building.

There are 10 tallies of the level 11.4.1 "central outside" type mailbox located on

the 11.3 level "residential inside" delivery type. In most cases this is a

Neighborhood Delivery Collection Unit Box (NDCBU) located inside a building.

(b) The level 11.3 "Delivery Detail Status" is intended to represent the weather

conditions the carrier faces while delivering the mail. There are 35 tallies of the level

11.4.1 "central inside" type mailbox with the 11.3 level "residential outside" delivery

type status. In some cases a "central inside" type of mailbox is mounted on the

outside of a building.

(c) The level 11.3 "Delivery Detail Status" is intended to represent the weather

conditions the carrier faces while delivering the mail. There are 7 tallies of the level

11.4.1 "central inside" type mailbox with the 11.3 level "business outside" delivery

type status. In some cases a "central inside" type of mailbox is mounted on the

outside of a building.

ADVO/USPS-T13-71. Why are there #1 and #1-1/2 boxes, 1- and 2-handed slots, and customer drops associated with central delivery type tallies? How do these deliveries differ from foot, park & loop, and dismount deliveries with the same activity details (receptacle codes)?

RESPONSE:

By running an Access query on the database table provided to witness Baron,

selecting the level 11.2 code of "WT05" for "Central Deliver" and selecting the 11.4.1

level code of "H06" "#1 Box", "H07" "#1-1/2 Box", "H02" "1 Handed Slot", "H03", "2

Handed Slot" or "H10" "Drop", I get the following results:

Level	10	11.1	11.2	11.3	11.4	11.4.1
# of Tallies	Location	Personal or Administrative	Delivery Type	Delivery Type Status	Activity	Activity Detail
4	Point of Delivery	N/A	Central	Resident Outside	Del/Col.	#1 Box
1	Point of Delivery	N/A	Central	Resident Outside	Parcel	#1 Box
1	Point of Delivery	N/A	Central	Resident Outside	Finger @ Delivery	#1 Box
1	Point of Delivery	N/A	Central	Business Outside	Del/Col.	#1-1/2 Box
1	Point of Delivery	N/A	Central	Resident Outside	Del/Col.	1 Handed Slot
1	Point of Delivery	N/A	Central	Resident Inside	Del/Col.	2 Handed Slot
36	Point of Delivery	N/A	Central	Resident Outside	Accountable	Drop
32	Point of Delivery	N/A	Central	Resident Outside	Parcel	Drop
13	Point of Delivery	N/A	Central	Business Inside	Del/Col.	Drop
9	Point of Delivery	N/A	Central	Resident Inside	Parcel	Drop
8	Point of Delivery	N/A	Central	Resident Inside	Del/Col.	, Drop
7	Point of Delivery	N/A	Central	Resident Outside	Del/Col.	Drop

6	Point of Delivery	N/A	Central	Resident Inside	Accountable	Drop
6	Point of Delivery	N/A	Central	Business Inside	Accountable	Drop
5	Point of Delivery	N/A	Central	Business Outside	Del/Col.	Drop
3	Point of Delivery	N/A	Central	Business Outside	Accountable	Drop
2	Point of Delivery	N/A	Central	Business Inside	Parcel	Drop

Based on these tallies, the tallies involving the "Accountable" and "Parcel" in the 11.4 level "activity detail" may require the carrier to have contact with the customer to deliver the accountable or parcel. Thus, the 11.4.1 level of activity detail would be drop to customer. Many large central deliveries have a desk clerk provided by the apartment building, these tallies also would be recorded as a drop to customer. Many central type deliveries provide the carrier with other means of delivering the parcel or accountable, for example, a parcel locker or even a #1 box next to the bank of central boxes.

In the case of the #1 and #1-1/2 boxes, we did see several apartment buildings where the owner of the building included a regular mailbox beside the central delivery boxes for mail that was for the owner of the building. This could have occurred on both the inside and outside central deliveries. In other cases where the owner of the building lived in the building and had a door slot next to the bank of central deliveries and the carrier would deposit the mail in the door. The rare occurrence of these tallies in the data table provide illustrates this does not happen very often.

These tallies do not differ in any way from the Foot, Park and Loop and Dismount delivery types, since "Del/Col.", "Accountable", "Parcel" and "Finger @ Delivery" can

occur in all of the delivery types. Based on the wide variety of receptacles available to

the USPS customers it is possible for many of the level 11.4.1 receptacle types to be

associated with any delivery type.

ADVO/USPS-T13-72. The LR-163 database includes route-days where there are neither "Loading" or "Travel to First Delivery" tallies, and route-days where there are neither "Unloading" or "Return to Unit" tallies (i.e., the day begins or ends with Drive, FAT/CAT, or Load activities). Please explain them.

RESPONSE:

There are a couple reasons why this occurs in a six minute work sampling. The activity takes less than six minutes. Some other activity occurred during the expected activity. For example, the carrier may have been in the process of loading the vehicle and was interrupted to return to the workstation to collect additional mail. Or the carrier may have been refueling the vehicle at a gas station while traveling to the first delivery or returning to the unit. Stopping to refuel the vehicle occurred over hundred times during the study.

ADVO/USPS-T13-73. In the data provided in response to MPA/USPS-T13-26, there are gaps in the CY codes, (CY1, 12, 13, 24, and 25 are missing). Please provide an explanation of what the missing CY codes represent and explain why they are missing.

RESPONSE:

"CY01" was the development and test site for the data collection strategy. This data is not included in any of the Engineered Standards databases. The data was used to verify the data collection methodology and the observers' ability to collect the data in Phase 1. This data was then deleted from the database and does not exist in any form.

"CY12, CY13, CY24 and CY25" codes were skipped for no reason. The barcode scanner does not care what number is associated with the code. The scanner requires the alpha character to be used at the appropriate barcode level.

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon all participants of record in this proceeding in accordance with section 12 of the Rules of Practice.

Richard T. Cooper

475 L'Enfant Plaza West, S.W.
Washington, D.C. 20260-1137
April 27, 2000